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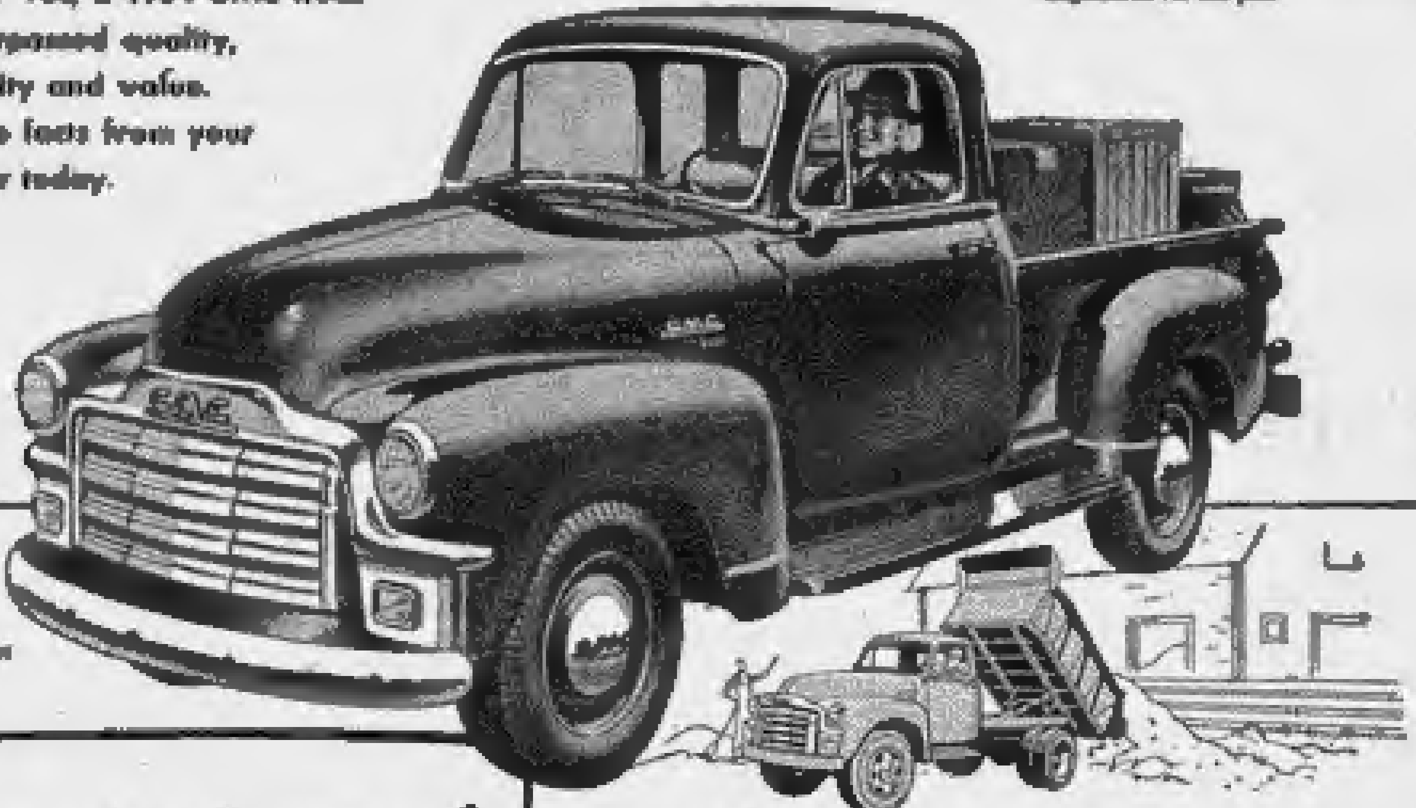

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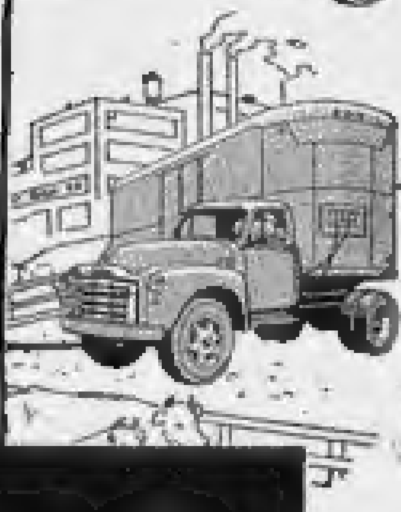

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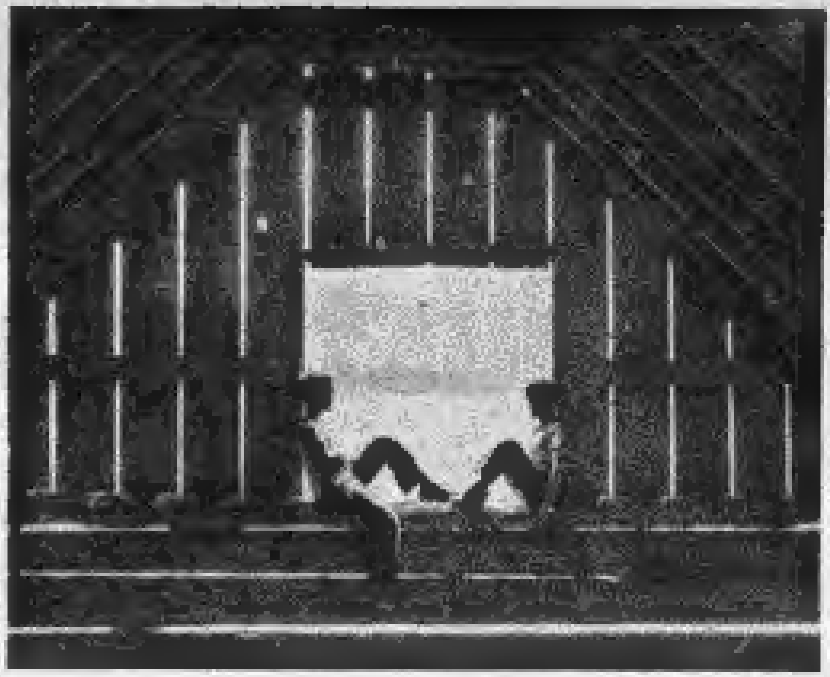

Photo by Clemson.

What next? beef bacon

"BEEF Brisket Bacon" is the newest thing in meats and promises to add to the variety of uses to which beef cuts can be put in planning meals. Tests conducted by the Council of Canadian Beef Producers (Western Section), have indicated the tasty qualities of Beef Brisket Bacon and shown how practical it is to prepare it. The first Beef Brisket Bacon, also called "Breakfast Beef", appeared in Calgary meat stores in June and the response was most encouraging.

Brisket and plate cuts seem to lend themselves especially well to the curing and smoking necessary to prepare this new product. In tests conducted by the Council of Canadian Beef Producers, brisket was the main cut used and both the dry cure and brine cure methods were employed with perfect satisfaction. Where curing was conducted in the absence of controlled refrigeration, especially in the seasons of warmer weather, the dry cure seemed to be the most appropriate choice.

For every 100 pounds of meat to be cured by the "dry method", 16 pounds of salt and one pound of brown sugar should be thoroughly mixed. Pieces of meat should be cut into five or six-pound sizes and each piece thoroughly rubbed with the salt-and-sugar mixture and packed in a clean crock. It has been found helpful to use about half of the salt-and-sugar mixture for the first rubbing and repeat using the balance of the mixture three or four days later, and all the while, holding the curing crock in the coolest place available.

From a week to ten days should be sufficient for curing and then the pieces should be soaked in cold water for half an hour to remove excess surface salt. Finally, the pieces should be soaked in cold water for half an hour to remove excess surface salt. Finally, the pieces should be hung to dry and then smoked.

When it is anticipated that smoking of the meats will present difficulty, one may use a commercial "smoked salt" and gain the distinctive smoky flavor that way.

When cured and smoked, Beef Brisket Bacon can be sliced and fried just like the more commonly used breakfast bacon.

The Farm and Ranch Review

706 - 2nd Avenue, West, Calgary, Alberta

Vol. L. Founded in 1905 by Charles W. Peterson No. 8

James H. Gray, Editor

P. Peterson, Advertising Manager

Published Monthly by
Farm and Ranch Review Limited
Printed by Western Printing & Lithographing Co. Ltd.
706 - 2nd Ave. W., Calgary, Alberta
Entered as Second-class Mail Matter at the Post Office, Calgary, Alberta
Member of the Audit Bureau of Circulations.
EASTERN ADVERTISING OFFICES: Room 410, 35 Bloor Street, West, Toronto, Ont.
W. H. PEIRCE, Representative

SUBSCRIPTION RATES: To bona-fide farmers residing in B.C., Alta., Sask. and Manitoba when remittance is made direct to our office — 15c for 1 year, 25c for 2 years, 50c for 5 years, to all others $1.00 per year. DISPLAY ADVERTISING RATES: Ninety cents per agate line. CLASSIFIED ADVERTISING accepted at display rates only.

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The Farm and Ranch Editorial Page...

We're "against" Communism but what are we "for"?

THE "good guys" have licked the "bad guys" in Guatemala and Communism's first foothold in the Western Hemisphere has been lopped off. But has anything really been settled in the Central American republic? We think not, for as Ben Malkin pointed out so clearly in his able analysis last month, Guatemala is a symbol of what is wrong with the politics of the anti-Communist coalition.

It ought to be clear to all by now that being anti-Communist, anti-Russian, or both is not enough. We fought through six years of war to save the world from one form of tyranny — Nazism. Yet the dust had not settled over the fields of battle before half the people of the world turned a friendly face toward, if they did not actually embrace, Communism. It almost seemed at times as if they did so through sheer perversity; that the more we tried to do to show them the evil nature of Communism the more interested in it they became.

Our trouble has been this: We have had no alternative to Communism to offer that makes sense to the backward people of the world. To them, we stand for Colonialism, for white arrogance, for friendship and protection of the imperial exploiters who are universally despised. We, the Western nations, are thus identified with the miseries which the peoples of the backwards areas have endured. The Communists, with consummate skill, energy and courage, have preached the sort of freedom these people understand — freedom from exploitation and hunger.

From Indo-China to Iran, from China to Guatemala, there has been a common denominator. The natural resources of these backward countries had long ago fallen into the hands of foreigners; more they had fallen into the hands of white foreigners. This alienation of natural resources made the natives mere tenants of their own countries. The desire to recapture their natural resources, to own them for themselves and work them for their own profit became the great motivating force in these countries.

Perhaps, in the beginning, mere reform would have been enough. Perhaps if the western enterprises had been less greedy, if they had practiced democracy more and preached it less, things would have been different. But when the chips were finally put down, we were too often on the side of the exploiters and too seldom on the side of the people. Local governments, too often were mere stooges for the foreign investors. When the rising tide of nationalism turned the people away from both it turned them toward Communism.

The strength of this world-wide urge on the part of the people to own and develop and control their own resources has been demonstrated by their willingness to go to war to achieve their aims. The Communists, with a shrewdness that makes us look downright moronic, have been quick to seize upon this fact. We couldn't keep the Chinese on our sides with billions of dollars in aid. The Communists won them with nothing but promises and the ruthless suppression of everything western. We armed Chiang Kai-shek's armies to the teeth in China, and they went over to the Communists without firing a shot. We work on governments. The Communists work on the people.

To talk to those people in terms of democracy and liberty and free elections and trial by jury is to talk gibberish. So long as they live in peonage to the foreigners who own their natural resources, these words mean nothing. The Communists, however make sense. They say "expropriate the foreigners, throw them out of the country, own your own resources and you can all be rich!" That must be good bait because it has enabled the Russians to bring one nation after another under its control. Then it has instituted a continuing reign of terror and its own system of exploitation.

Communism is as wrong for these people as foreign imperialism was wrong for them. But they can't find that out until it is too late. The hub of the problem is to make it possible for people to gain ownership and control of their own natural resources without embracing Communism.

Should we not have a declaration by the United Nations on the rights of self development of the people of all nations? Why couldn't each nation bail out its nationals who have large sums invested abroad? These investments will ultimately be lost, as China and Indo-China and Iran have demonstrated. Why not declare that it is our aim to turn over intact to the people of Guatemala their banana plantations when they are able to operate them? Perhaps there is a formula in the deals our Canadian Indians have made with the agriculturalists, who break their land under lease, teach them how to manage it and then leave when the lease expires?

It is true, unfortunately that many of these people are not capable of managing their own resources. Somehow, we've got to buy time, to speed up the educational process so that their ability to manage their resources matches their zeal to own them. Iran surely demonstrated that premature seizure of resources, before management skills have been acquired, can be disastrous. The transfer of resources back to native ownership must of necessity be part of a long range programme. One of our great tasks is to convince the native peoples of our honest intentions while we carry through broad educational programmes.

The Colombo plan is a step in that direction. It could be expanded greatly with the money saved from wars if we could achieve a period of peace. But it alone is not enough. We have to understand the basic problem in all these countries. That problem is the unrest created by the alienation of the natural resources to foreign ownership. So our first objective surely must must be to arrange to return these resources to the people so that they may enrich themselves by the development of them. Until that is done, merely being anti-Communist is a waste of effort, of time, of public money.

◆

Senator W. A. Buchanan

ANY list of the dozen most distinguished sons of western Canada would be incomplete without the name of Senator W. A. Buchanan of Lethbridge. His life of service to the people of our neighborhood seems to us to underline a fact that is often overlooked in this country. It is that the willingness to serve a community is often the best road to a successful life.

The Lethbridge that Billy Buchanan found when he settled there in 1905 was a far cry from Lethbridge of today. Irrigation was in its infancy. Many lessons, both bitter and pleasant were still to be learned. Billy Buchanan adopted Lethbridge, made its interests his interests, its welfare his welfare. When it became apparent that Lethbridge could not prosper unless southern Alberta prospered, he adopted the region as well.

In season and out, over a whole lifetime, he became both the advocate and guardian of his community's interests. And therein, we think, lies the secret of the great success of the Lethbridge Herald. From humble beginnings, it has become the best newspaper in Alberta, and by far. Under Harold Long's skilled hand, it has developed a superb judgment of news values. It's a newspaperman's newspaper. Yet other papers, richer and with larger and even more capable staffs fall far short of the stature achieved by the Herald. Why?

Our answer is in service to its community. It is not enough to do what is called "a public relations job"; not enough to try to please all parochial groups. What is required is vision and the quality of leadership that is capable of processing vision into accomplishment. Senator Buchanan had such qualities in abundance. He was the father not only of Lethbridge but of southern Alberta as well. And what success came to him in life was always incidental to the business of serving its community. Because it was, his measure of success was filled to overflowing. And the thing that gave him the greatest glow was the growth, the happiness and the prosperity of the community he lived to serve.

◆

So far— one nibble

Our readers may be interested in knowing that we've only had one nibble in connection with our offer to give friends of Science Service a chance to reply to Joseph Pauls critical series. We hope something comes of that offer because there must surely be something good about Science Service that somebody wants to write about. For those who missed the offer, we're in the market for articles on Science Service at our usual rates.

Farm and Ranch Editorials

Wheat economics in one lesson

TWO useful publications dealing with wheat have come to our desk lately. The first one by Ed. Patching is called "A Student's Story of Wheat". It is published by the Alberta Wheat Pool. The second, published by the Saskatchewan Wheat Pool, is entitled "The Crisis in Wheat, 1929 - 1954."

Both are decidedly worth having and they belong on the bookshelves of all prairie wheat producers. As both are free for the asking there is no excuse for anybody not getting copies. While they deal with the same subject, they compliment rather than duplicate each other. You should have both.

There is a chapter in the Sask. Pool booklet which most effectively demolishes an ancient argument that is being dusted off and pushed into circulation again. It's the theory, so dear to the hearts of newspaper editors, that the way we get rid of our wheat surplus is to cut the price and put on a bargain sale. Over the years, world consumption of wheat changes but little, whether the price goes up or goes down.

On the other hand, there is statistical proof that cutting prices to what the Sask. Pool calls "sawdust level" makes surplus problems worse instead of better. The old Adam Smith theory is that when prices are high, greater production follows increased plantings. The price makes the crop profitable so more farmers grow it. This greater production increases the supply which forces the price down and that reduces planting as farmers switch to some more profitable crop.

How it works in practice, however, is that when the wheat price goes down all other farm prices seem to do likewise. So there is no incentive to get out of wheat into something else. In addition, farmers the world over have to base their operations on cash income. When the price of grain is low, they have to raise and sell more of it to meet their cost of living. So they keep their acreage up rather than reduce it. World wheat acreage stood at around 230,000,000 acres in the prosperous 1920's. Toward the end of the dismal thirties world wheat acreage had risen to 258,000,000 acres. Our acreage rose from 24½ millions in 1929 to 26 millions in 1932.

So when a wheat surplus develops and prices drop, the tendency is to plant more acres and thus increase the size of the surplus. On the other hand, falling prices do not encourage people to eat more bread and reduce the surplus. The people of the world ate more bread when wheat was expensive than they did when it sank to the lowest price in 300 years.

Indeed, low prices caused less of our wheat to be eaten. To protect home agriculture, our wheat importing customers imposed prohibitive tariffs against our wheat, bonused home production of wheat and imposed milling quotas and restrictions that were absolute barriers to the importation of Canadian wheat.

We think both the Wheat Pools are to be congratulated for turning out two such useful works at this time. The depression may seem like yesterday to those who lived through it. But a whole new generation of farmers has matured in the West which knows nothing of the dirty thirties. The job which all farm organizations must face now is educating this generation in the facts of life of the wheat economy. It's an education that goes back to the times of Joseph in Egypt; when lean years followed fat years and fat years followed lean years.

Once the facts are drilled home, the new generation of farmers will be able to understand how infinitely complicated this business of food growing can be. Then they'll be less likely to be taken in by the peddlers of quack remedies; as so many were in the 1930's.

Capturing our history

One of the good things that has happened in the West has been the growth of interest, in recent years, in the history of our country and its settlement.

The Saskatchewan Government has done a fine job of collecting samples of the early farm machinery for its pioneer museum. In Alberta, the Southern Alberta Pioneers and Old Timers association has completed the erection of its memorial building in Calgary. It is hoped that souvenirs and relics of the early settlement will gravitate to the Memorial building and be preserved there for future generations. The building, incidentally, was designed by Roland Gissing, the Alberta artist.

We like this building idea. We like the regional approach to history. It seems to us each region of the Prairies ought to have an Old Timers' association to collect the history of the region while it is still collectable. We'd like to help the effort along with encouraging publicity, if those concerned would tell us about it. The Southern Albertans, for example, are paying for their building by selling an attractively printed history. The price is $1 a copy and it can be obtained by writing to the association at 232 Eighth Ave. East, Calgary. We think this is the sort of book our readers would like to have.

This is no time for stirring up hatred

IF ever a nation has paid for the right to make mistakes, if ever a nation has earned the right to be wrong — that nation is the United States. If the Socialists of the world, in London as well as in Saskatchewan, would just recognise that fact there'd be a lot less ill-deserved and bad-tempered criticism directed against American foreign policy. It's about time that somebody read these critics a lesson on the facts of political life of the world in which they live.

The first fact is that it is a world which has been saved from the tyranny of Russian Communism by the United States. In the world of today, the United States is the only power that is both able and willing to defend the rest of us from Russian aggression. Without the United States, the world today would be ruled from Moscow; as ruthlessly and as completely as Moscow rules the Ukraine or Poland or Czecho-Slovakia.

The second fact is that the world has been saved by a combination of resolution and generosity and wisdom by the United States. After the end of the last war, the United States underwrote the survival and the discovery of its allies. The billions of dollars that had been extended in aid in one way or another were written off. Then, in order to help our allies back to health and strength, it devised the Marshall plan. Under it and its successors, billions of dollars were taxed out of the American people and freely given to American allies the world over.

We Canadians are proud of the steps we took to aid in the recovery of the world economy. We, too, made gifts to our allies. But let us also recognise that our own economy was aided substantially by the financial assistance the United States gave our allies.

Marshall plan dollars provided by American taxpayers enabled the British to buy and pay for the wheat they bought in Canada. It was American gifts to Britain and France and the low countries which enabled them to get their economies back on their feet. And where would Europe be today if the Americans, after the end of the war, had withdrawn into isolation and neutrality?

That would be one of the great "ifs" of history. Yet a reasonable guess would be that all Germany and Austria and Italy would be under Russian domination. So, perhaps would France and Greece, Turkey and most of the Arab world. So would Japan and probably the East Indies as well.

As our readers know, there are phases of American foreign policy that impress us as being, at least, short-sighted. But we must understand that the nation is pretty green at this business of providing the leadership for the whole democratic world. Washington, in such circumstances, is bound to make mistakes. Let's understand that they are mistakes of the head and not of the heart.

To us, there is a real danger in the unreasoned criticism that is often angrily voiced against the United States. It plays into the hands of the isolationist elements; provides them with telling arguments:

"If being denounced so bitterly is the reward for all that the United States has done and has tried to do; let's call it quits!"

"Our help is not appreciated, so why should we help?"

These can be telling arguments indeed. Surely the essence of wisdom on our part would be to cultivate a little humility, in face of the great debt the people who still have their freedom owe to the United States.

It does seem to us that the strictures directed at the American government come with ill grace from people who have benefitted so much from American largesse. That is not to say that we should not think for ourselves or voice our opinions. We should. But let's do so with dignity and restraint; in full appreciation of the fact that the United States has not only earned the right to make mistakes. It has paid for its mistakes in advance.

> *"So be my passing,*
> *My task accomplished and the long day done,*
> *My wages taken and in my heart*
> *Some late lark singing.*
> *Let me be gathered to the quiet West*
> *The sunset splendid and serene — death."*

Senator Buchanan was a great Albertan

By LEONARD D. NESBITT

SENATOR William Asbury Buchanan, publisher of the Lethbridge Herald and a citizen of the city since 1905, died in his home at Lethbridge early in July at the age of 78. He was Alberta's outstanding citizen, a top-ranking statesman and the publisher of one of Canada's leading daily newspapers.

W. A. Buchanan lived a long and useful life, fifty years of which were spent in Alberta. This man probably accomplished more for the development and progress of southern Alberta than any other individual.

Senator Buchanan was born in Fraserville, Ontario, in 1876, and entered the employ of the Peterboro, Ontario, Examiner as "printer's devil" when he was sixteen years old. Later he became a reporter on the Peterboro Review. In 1899 he joined the reportorial staff of the Toronto Telegram where his ability brought about advancement, first to the position of city editor of that newspaper and then news editor. In 1902 he accepted the position of managing editor of the St. Thomas Journal, while in his 27th year. There he stayed for two years when he decided to join the tidal movement of Eastern Canadian youth towards the last great west.

Great Era

It will be noted by those acquainted with the history of Canadian newspapers that W. A. Buchanan's early training happened during an era of journalistic giants — great editors like MacDonald of the Globe, John Ross Robertson of The Telegram and Willison of The News. There were newspapermen of the same calibre in other cities in Canada at the time, but Buchanan got his training in Toronto, where the aforementioned editors were located.

In those early years radio and television were never even dreamed of and newspapers were a great educating and directing force. Because of that fact the editorship of great newspapers attracted men of probity, high standing and great literary ability. Those were the years when newspapers were owned by local people and publishers took a keen interest in maintaining a high standard of editorial material. Nowadays the daily newspaper chain is predominant and the editorial direction secondary and, too often, ineffectual.

When W. A. Buchanan launched into the ownership of a daily of his own in Lethbridge he followed the precepts of his training. He made The Herald a community newspaper, every issue being filled with a wealth of local news, and with an editorial page full of well-written and broad-minded articles. His passing marks the end of an era in Canadian journalism.

It was in 1905, the year Alberta became a province of Canada, that young Billy Buchanan landed in Lethbridge, fresh from the East, and with $500 in his pocket. The town then had a population of less than 2,000 people (now it is a city with over 25,000 people) and was served by two weekly newspapers, The News, which had been established for some time, and The Herald, then one month old. With his savings Buchanan acquired an interest in The Herald and before long he became its sole owner.

The town grew so fast that by 1907 the young publisher decided to enter the daily field and the Lethbridge Daily Herald came into being. The opposition News was also established as a daily under the ownership of the Southam interests. But the energetic Buchanan was able to come out on top and The News disappeared from the Lethbridge scene. Today, the Lethbridge Herald is housed in a new and modern building with the most up-to-date mechanical equipment and is among the newsiest and brightest of all Canadian dailies.

W. A. Buchanan realized from the start that the future of Lethbridge and his newspaper rested primarily on the development of a sound agriculture in southern Alberta. The south is prairie country and much of it usually suffers from drouth. He had noted how the Mormons from Utah achieved success with irrigation in the Magrath area and became a strong advocate of the expansion and development of irrigation projects in the south.

Today the mountain streams supply life-giving waters to an extensive system of irrigation extending from the foothills eastward to Medicine Hat. The establishing of three sugar factories as well as vegetable canning plants provide outlets for the products from irrigated farms, employment for a large number of people, stability to the area's economy and sugar for most of the prairie provinces. The Senator used all his energy and influence to bring about the extensive irrigation development now in operation in the southern part of the province.

The city of Lethbridge has had many alert and far-sighted citizens in her short history, but none made a greater contribution to its growth and development than did W. A. Buchanan. The Senator was mainly responsible for the expansion of Lethbridge as an important aviation center and with promotion its value to the city will increase as time goes on. Many other successful efforts by W. A. Buchanan on behalf of his community could be enumerated if space permitted.

The active political life of the publisher of The Lethbridge Herald began in 1909 when he was elected to the Alberta legislature as a Liberal. He served as minister without portfolio in the Rutherford cabinet, but resigned when that administration ran into trouble over the Alberta and Great Waterways Railway project.

In 1911 he was the successful Liberal candidate in the "Reciprocity" federal election when the Laurier government went down to defeat. He won in the Medicine Hat riding, which then covered most of southern Alberta and included Lethbridge city. His opponent was C. A. Magrath, a prominent and widely known man. Buchanan served as a member of the House of Commons until 1921. In 1925, 20 years after coming to Alberta, he was appointed to the Senate.

Senator Buchanan was a notable example of what may be called "a statesman". He did not strive for personal aggrandizement or enrichment in public service. He was honest in his opinions and candid in his expressed views. He did not stoop to cheap, irresponsible promises to gain or maintain political power. He worked diligently for the good of the people whom he served. His main interests were in his own widespread community, next in Alberta, the province he loved and whose future he heartily believed in, and finally the great Dominion of Canada, a nation which he saw grow from a few million people living in a primitive economy to one of the greatest productive regions in all the world— a nation honored and respected.

Senator Buchanan was a friendly man, unostentatious, considerate and kindly. He was known and respected from the Atlantic to the Pacific. He held many prominent positions and consorted with the great, "himself not least but honored of them all." But his heart was in Lethbridge and in his daily Herald. He once told me that any money he ever made came from the earnings of his newspaper and he spent of such lavishly to give his readers an interesting, newsy and readable publication. The Herald specializes in farm news to a greater extent than any other daily newspaper in Canada. Its circulation blankets the south and the people of Lethbridge and district are very proud of their newspaper. Even the Indian tribes respected Senator Buchanan and the Bloods of southern Alberta made him an "honorary chief — "Chief Sun".

The Senator was honored by being chosen as president of The Canadian Press in 1944, after serving many years as a director. He had helped found that news-gathering co-operative of the daily newspapers and helped maintain its reputation of high integrity. He considered the "CP" the greatest unifying force in the Dominion.

And now Senator Buchanan has past on to "that mysterious realm from which no traveller e'er returns." The "wages" he took with him were the recollection of real accomplishments for the benefit of his fellowmen. The long day, for him, is done. Surely, as life ebbed away, he must have felt in his heart "some late lark singing". Now he is gathered to "the quiet West, the sunset splendid and serene."

There she flows

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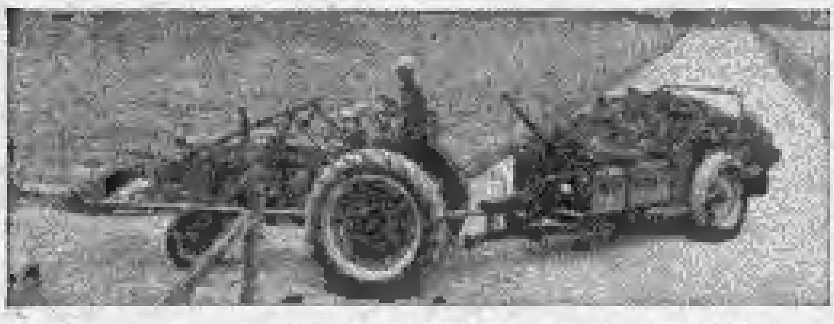

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Are records a symbol of extravagance?

By TOM LEACH

I HAVE been trying to assess some of our farm trophies and records in view of a statement made to me by a B.C. poultry farmer. He said, "I'm going to win the Champion Bowl at the Exhibition or quit the breeding business".

When the time comes he will have his share of entries in the cages. They will be selected with care and primped to catch the judge's eye. He was overly sincere in what he said and expense will not wean him from his determination to win the silver emblem and breed perfection which has so far eluded his grasp.

That same attitude apparently permeates almost every field of farming. You will find it glaringly evident in the five-ton strawberry clubs. It bares its boastful feature in the 600-bushel potato club. It digs deep into the feed bill of the dairy farmer who is bound to extract every possible pound of butterfat out of each cow in his herd.

Outstanding production deserves credit only when it is accomplished through improved management and not when it is bought with extravagance. We should examine the basis for some of these awards more closely.

The tendency to out-do the neighbors when one's ability is in jeopardy is not altogether the fault of the farmer who commits himself to a project of beating the rest of the country. It comes right back to the fact that for many years we have placed the emphasis strictly on high production and have not given sufficient recognition to the man who accomplishes much with little.

We are gradually relinquishing the idea that a single outstanding record of milk production is any indication of the productive ability of a cow or her offspring but there is still sufficient credence put in such a record to encourage a few breeders to try excessive feeding and a number of other tricks to push a cow's production "a wee bit more".

I have seen how it works because I was once associated with a dairyman who milked a cow to a World Record. My job was to mix the feed for the herd, but I was not allowed to touch the feed for his "special" cow. He had his own secret formula for her grain ration. Only the greenest and leafiest alfalfa was good enough for her. He literally slept beside the box-stall to see that no one tampered with her feeding or disturbed her during the final two months of her lactation.

The cow made the record and her name is still spoken reverently by many of the breed enthusiasts. But the record proved expensive for she never lived long after making the record and her last calf was fattened into a good beef heifer by the same dairyman through over-attention and extravagant feeding. But he had accomplished his one great aim. He raised the production of a cow in his herd far above the average and was acclaimed far and wide as an outstanding breeder.

He was entitled to that bit of glory because he was genuinely interested in the betterment of dairy cattle and only adopted the idea of attaining a record from one of his cows because he saw an opportunity to draw attention to his farm and herd.

It is difficult to determine whether he profitted by his extravagance. Certainly he sold more stock than he had sold before. But the cow had a wonderful production record prior to her one year of glory and if she had not been pushed too hard might have lived ten or twelve years longer to provide a herd with a greater production average.

Playing for the grandstand seldom brings lasting rewards, and I find farmers in the Fraser Valley who are becoming concerned about the value of contests. Their worry is that keeping up with the Jones in the grassland clubs will cost them more than they can afford.

The recent publicity given to the grassland clubs in the Okanagan and at the coast has brought the question right out into the open. How much can a farmer spend on pastures to make them pay? Farmers in the Matsqui district where a large group has been organized as a pasture improvement club are asking that question.

New Bogey

After two years of operating a grassland program they can see the bogey of one farmer trying to out-distance his neighbors in the production field. It started out with the idea of producing plenty of cheap feed for the cows but they now see the raven of greed for the title "Best Grassland Man of the Year" hovering over their pasture fields.

As they told me, a farmer can accomplish that objective in several ways. But they say, the surest and quickest way to succeed is to install irrigation pipes and pumps, spread fertilizer on the pasture and repeat the application of fertilizer frequently during the season. The next step is to feed the cows heavily on grain so that production is maintained at a high level without the cows overgrazing the pasture.

Water-shy

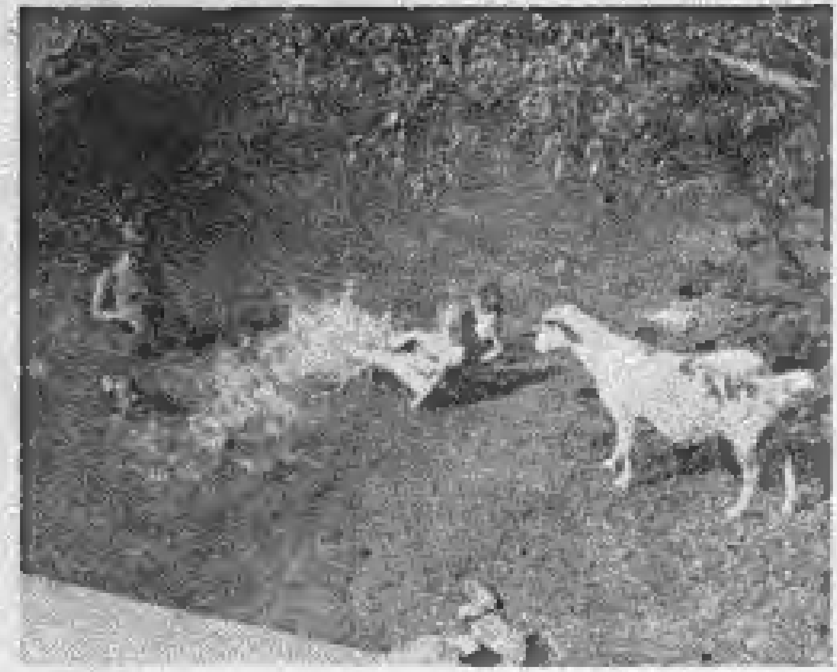

Photo by Christen

They suggested that such a policy should make it possible to carry as many as three cows per acre of pasture and leave surplus forage in the field to store as hay or ensilage.

On the surface the record appears to be extremely good. At least it is sufficient to make the unobserving person wonder how he manages to do so well, especially when neighboring farmers are apparently having a difficult time to stretch their pasture far enough to keep the cows milking twice a day.

The Matsqui Grassland Club is trying to eliminate any inequalities in the contest by checking on the actual hours of grazing and deducting points for grain feeding. They are trying to make the competition an indication of the farmers' ability to manage his pasture.

When they are finished they hope that this contest will reward one of their neighbors for a good job of farming. It might be useful to take as close a look at some other regulations pertaining to records and awards.

The Dairy Improvement Associations gave this problem considerable thought when the regulations were drawn for the Ton-Of-Fat award which is given each year to a good dairy farmer in B.C. They recognized that by purchase, extra good feeding, or simply by good luck a cow in any herd might make an exceptional record in one month or in any one lactation and win the owner numerous honors.

They also recognized that a small herd or large herd could be managed so that it could produce an outstanding record for one year or maybe two. But that would not be good enough to help the dairy farmer win the Ton-Of-Fat plaque which represents dairy farming at its best.

So regulations were designed to make this contest indicative of good long-term management of a dairy herd. The results prove that the effort was not wasted for all of the herds entered in the contest last year had from 25 to 55% of the cows with records of over one ton of fat.

It means that those farmers have been able to obtain consistantly good yields and to maintain them over a period of years. Practically all of the cows with a ton record of fat had been milking for more than five years. In contrast the average production period for most cows on test in B.C. is only 2½ years. Their useful life is short and returns are small for the effort spent in raising them.

That is the type of contest we must develop. One which requires good management and one which will work well with regular farm practices. Many a farmer would be better off financially to purchase a silver tray and have his name engraved on it with the caption: "For being sensible enough to refrain from entering the Heavier Hog Contest."

Lightning arrestors can cut farm fires

USE of lightning arrestors on farm wiring at entrance points on buildings can be an important factor in reducing lightning damage.

A lightning loss study by an insurance company in Nebraska showed only 12 lightning losses occurred when lightning arrestors were in use on farm buildings, compared with 398 losses where no such protection was provided. Only 48 losses occurred where lightning rods were in use but no arrestors were installed. Only 4 losses were recorded where both lightning rods and lightning arrestors were used.

Damage from lightning in the Nebraska study was primarily to electric appliances and to the wiring. By having a lightning arrestor installed at the point where the electric service entered the building, this damage was almost completely eliminated.

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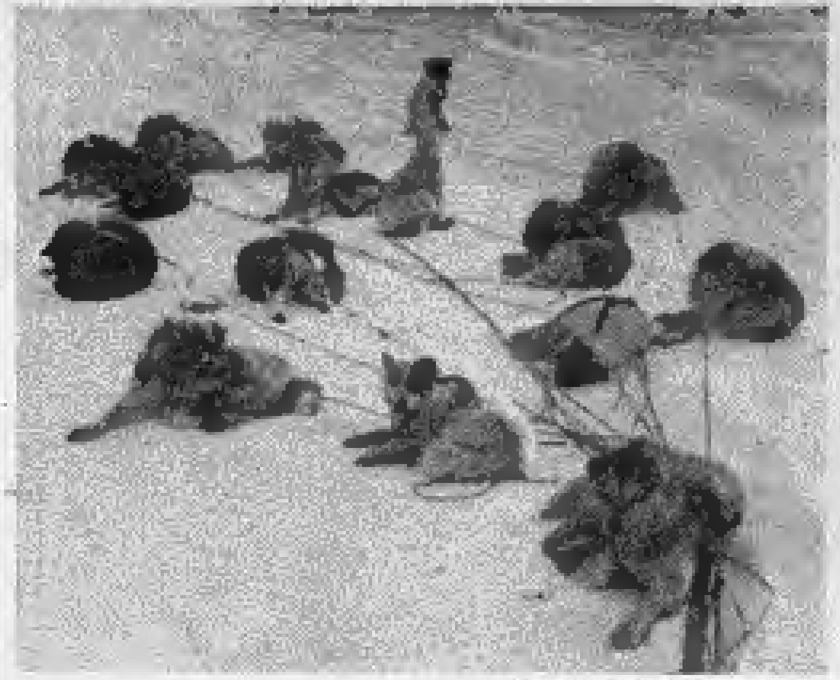

Photo by Richard Harrington.

Wheat makes meat as well as bread

By GRANT MacEWAN

WHEAT is our best source of bread flour, spending cash and political arguments. Apart from weather, it ranks as the most popular and dependable topic for conversation. Not everyone is ready to express an opinion about liquor laws or freight rates or Senator McCarthy but everybody has confident views about wheat.

From the beginning of western agriculture, the new soil seemed peculiarly suited to wheat and the billions of bushels of high-grade milling grain that went abroad, did more than anything else to win world attention to Canada and pay for the dramatic transformation of this West from a buffalo pasture to a well-ordered agricultural community.

Millers at home and abroad acknowledged the supreme bread-making qualities of western Canadian wheat and, in the face of fairly consistent export demand, farming people and others accepted the view that while oats and barley were good feeds for livestock, wheat possessed an almost sacred distinctiveness and was to be regarded as a milling proposition, first, last and always. But when markets showed decline and unsaleable surpluses occurred, the question was asked again and again, "To what other uses could wheat be put?"

The fact is that industry could find a score of uses for wheat but it has never seemed likely that a surplus of this good food product would continue long enough to justify a major understaking to convert it to an inedible form. But what growers and others should not overlook is that wheat can be an excellent grain feed for farm livestock and when prices favor the cattle or pig feeder, wheat may find a very practical place in barnyard rationing.

Actually, wheat is quite versatile and the stockman and mixed farmer should be familiar with its values. Nobody is likely to make extravagant claims for the nutritional merits of wheat straw; it is a high-fibre product with very low net feeding value. But wheat hay, cut when the plants are at the milk stage, can be quite valuable and practically on a par with oat hay or the commonly used oat sheaves. Wheat being comparatively drought resistant, has been the grower's choice where an annual hay crop has been wanted in some sections of the western States. Canadian farmare scarcely likely to elect wheat ahead of oats in planning for a green-feed crop, but there will be times when, owing to a heavy concentration of wild oats or some other weed, an acreage of wheat could be profitably cut with the binder or mower and stacked for winter feeding.

But it is as a grain feed for fattening purposes that wheat will be seen as having the most to offer to stockmen.

There is no lack of experimental evidence and before the present wheat surplus inspires the young research worker to "start an experiment", he should take time out to review the studies conducted in the '30's and early '40's when finding non-milling uses for Canada's mounting carry-overs of wheat seemed as a major challenge.

There is the strongest case, of course, for marking the lower grades or sub-milling grades for feeding, at any time. That is purely a matter of economics. The milling grades can be fed satisfactorily but when the export trade is normal and brisk, priced in relation to other feed grains will almost certainly make the feeding of [illegible] grades [illegible] prevailing conditions but just a [illegible] years ago, a lot of wheat of [illegible] grades was being fed [illegible].

Good Feed

It should be noted, however, that [illegible] difference of [illegible] grades may mean a substantial difference in [illegible] difference in feeding wheat for [illegible] pounds of Number 5 wheat [illegible] pounds of Number 3 wheat.

The studies and experiences of other years have shown that in the case of [illegible] wheat, when as a feed it equals [illegible] feeding [illegible]

[illegible] fibre [illegible]

[illegible] represent a much heavier and more dangerous burden than the same stomach full of oats. It emphasizes, too, that rationing grain by the time-honored [illegible] measure [illegible] should be replaced by weight [illegible] the more important when a grain like wheat is in use.

Coarse Grind

Furthermore, grinding wheat to a fine state for feeding is a practice that should be discouraged. When a grain of extremely low fibre content is ground [illegible] the wheat is of good grade that the tendency to pastiness will be reduced and the danger of [illegible].

The [illegible] wheat makes [illegible] grain supplement [illegible] skim milk [illegible] in the interest of [illegible] it may be better to use the wheat [illegible] with barley and oats. Wheat as the sole grain [illegible].

A combination of wheat and oats can be a good basic feed for [illegible] with an increased percentage of wheat for the [illegible] and an increased percentage of oats when there is [illegible] danger of [illegible]. It must be understood, of course, that the need for protein, mineral and vitamin supplements for [illegible] will still be present no matter what cereal grains [illegible]. Some pig growers [illegible] who had wheat and no oats [illegible] hammer mill and feeding [illegible] ground wheat for those pigs [illegible].

Fattener

[illegible] quality roughage like cereal straw would benefit by a small allowance of wheat as the grain [illegible] can be used quite [illegible].

Low grade wheat has been fed to fattening lambs with good results. [illegible] a higher [illegible].

Even [illegible] to be the horseman's favorite

but if and when a ton of wheat can be bought for less than a ton of oats, there would be an immediate case for using at least a fraction of wheat, perhaps up to 50% or even 75%. And the procedure [illegible] feed by weight rather than by jam-can measure becomes particularly deserving of attention.

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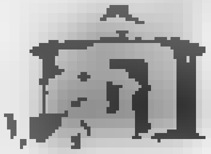

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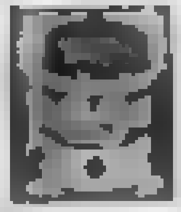

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Mutually suspicious

How can we tell right from wrong?

BY REV. FRANK S. MORLEY

[illegible]

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[illegible]

a) Man becomes an animal. As Paul told us, our bodies are [illegible]

b) To lead an undisciplined [illegible] destroys achievement.

[illegible]

There are [illegible] wondering

[illegible]

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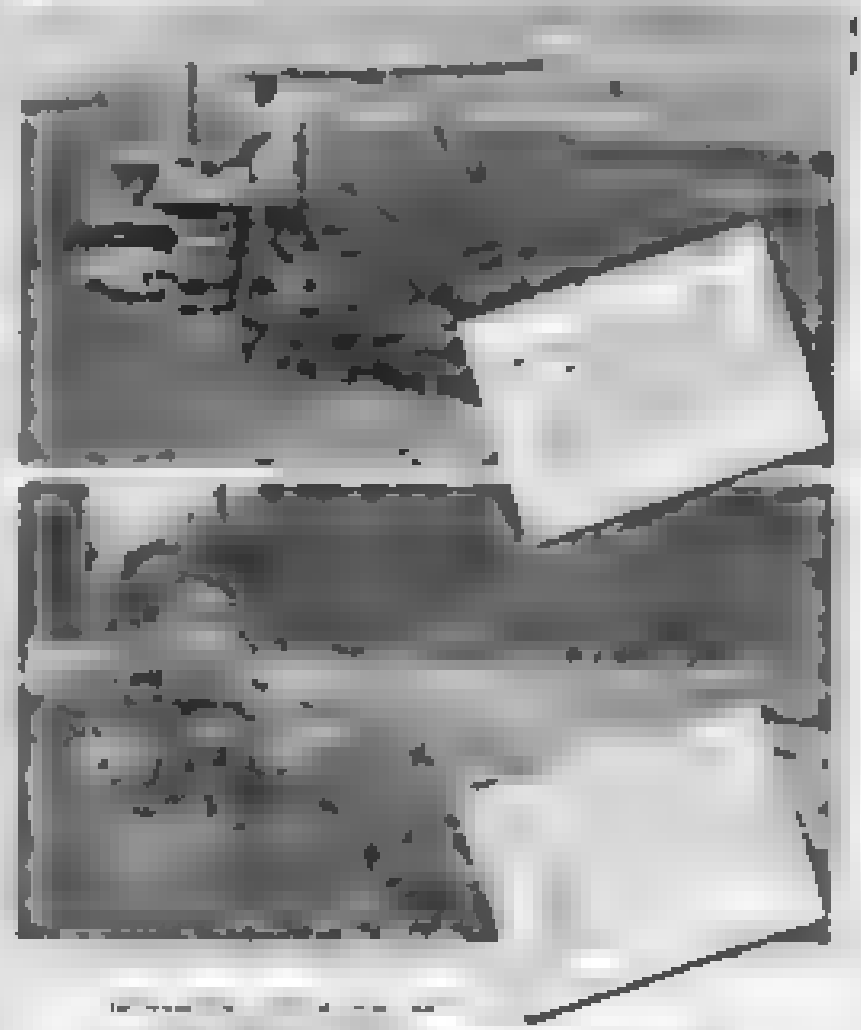

[illegible]

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[illegible]

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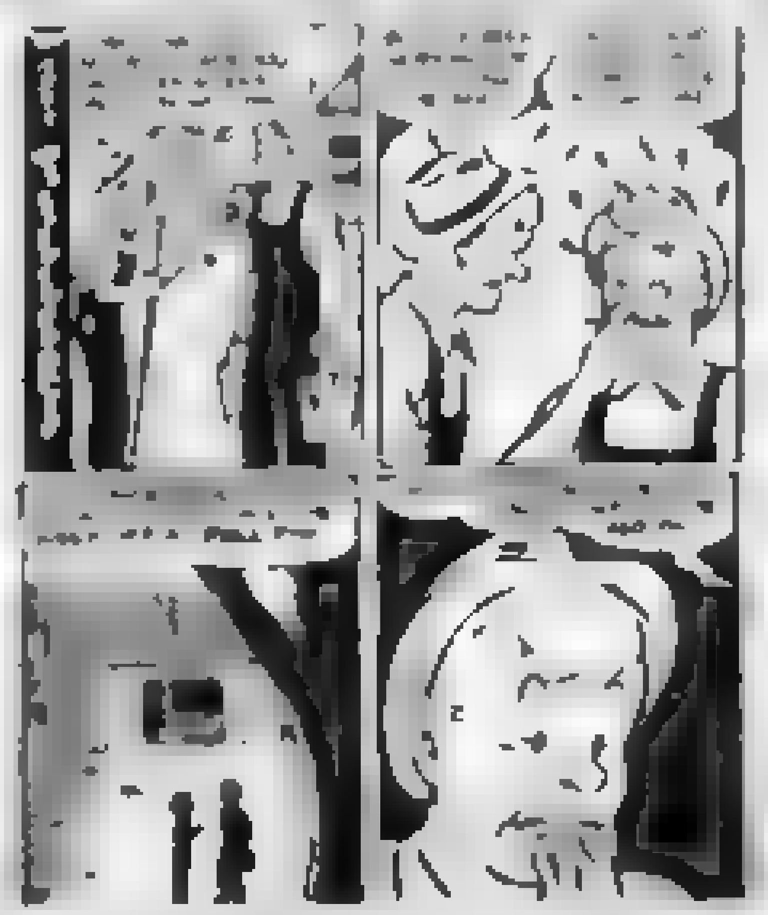
[illegible] or the first time [illegible]

[illegible]

them. [illegible] he has tried [illegible] the land. [illegible] could [illegible] but the [illegible] well as [illegible] Asia, [illegible] sensi- [illegible] colon- [illegible] people [illegible] Chinese [illegible]

[illegible]



C-I-L AMMUNITION

part goes, the Communists may very likely get the whole of Indo-China, for the small kingdoms of Laos and Cambodia can hardly exist without Viet Nam, which has about four times their population. The northern part of Viet Nam, now held by the Communists, is rich in food and minerals, and has a population of 14,000,000, compared with 10,000,000 in southern Viet Nam. The north's influence will be very strong and can only be counteracted by spectacular improvements in the living conditions of the Viet Namese. For the next while at least, security should lie more in obtaining these improvements than in military measures.

Tips for barbecues

INCREASING numbers of people planning outdoor meals this season are hoping to make a hit with barbecued beef. Good beef properly barbecued, is meat at its best and hungry spectators who witness the removal of the cooked roasts from the barbecue pits are certain to be duly impressed.

The barbecue is essentially Western and takes its name from the "—BQ" brand that belonged to an early Texas rancher B. H. Campbell, whose fame went far for the excellence of the roast beef he served. Since Campbell's time, there have been many modifications of barbecue methods. Barbecue ovens are used sometimes but the greatest interest will attach itself to roasting in pits in the ground.

Those who choose to conduct a pit barbecue should be warned that considerable time and work are involved. To feed 200 people, at least 100 pounds of beef in roasts should be provided and a pit six feet long, three feet wide and four feet deep should be dug in clay soil which has reasonably good drainage.

The main point in preparation is to provide a deep bed of hot coals and, to that end, the fire may have to be started 18 hours in advance of the time of serving the meal. After firing for four or five hours and accumulating about two feet of ashes, the surface should be levelled with a rake and about one inch of coarse sand placed evenly over the ashes. Then the roasts which have been boned and rolled, wrapped in cotton and then burlap and moistened, are placed on the sand and the pit covered to hold the heat and await cooking.

It is customary to allow close to 12 hours for cooking after which the pit is uncovered and the roasts removed for carving.

For those proposing to operate a pit barbecue, more detailed instructions may be obtained by writing to the Council of Canadian Beef Producers (Western Section), 28 Michael Building, Calgary.

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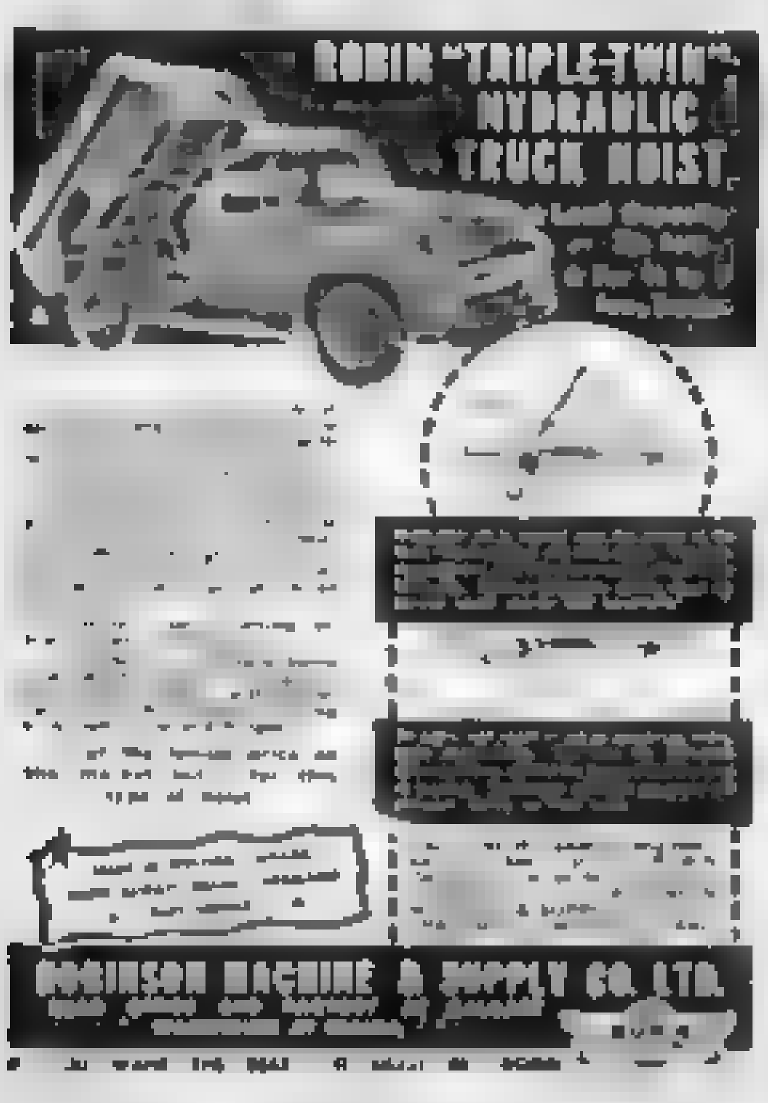

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Black blizzards? We sure had them!

By [illegible], [illegible], Alta.

READING about the many dust storms in the southern states this spring made me recall the many [illegible] sand [illegible] I have seen [illegible] in this part of the world.

The [illegible] live in what used to be [illegible] drifting area [illegible] Alberta [illegible] 60 miles from [illegible] [illegible] has [illegible] been [illegible] have [illegible] been [illegible] working enough.

This [illegible] was homesteaded in [illegible] but [illegible] drifting began in earnest and then [illegible] we have some black blizzards.

I remember [illegible] gale [illegible] for 3 days during all that time our [illegible] were lit night and day. The sand [illegible] just [illegible] down [illegible] sheet [illegible] on the outside. [illegible] the third day I had to bake bread [illegible] just [illegible] had [illegible] It was a new [illegible].

"There was [illegible] over the edge [illegible] the whole range [illegible] into the [illegible] of paper and that was [illegible].

[illegible] the [illegible] from different [illegible] at different [illegible].

[illegible] and [illegible] comes [illegible]

[illegible]

If [illegible] have [illegible] still wear [illegible] with [illegible] the whirling sand [illegible] are [illegible] the [illegible] wash [illegible] away [illegible] covered up carefully. Even so, you know you will have to rinse every last [illegible] all over again. The dust is sure to creep in and [illegible] every [illegible] grey [illegible].

But if the gale comes from the north-west, the picture looks very different, though more awe-inspiring.

On the north-west horizon [illegible] rolling tops like a plume, then on either side of this, other dust pillars are [illegible] one by one, travelling [illegible] east and west [illegible] higher and higher [illegible] the sky [illegible] and a grey [illegible] settling down over your world.

This may last for days or it [illegible] the night [illegible] as much is [illegible] suspended. The housewife who has [illegible] and [illegible] table as they get full of sand in a few minutes [illegible]. She also had a lot of [illegible] made necessary by the frequent sand storms.

[illegible] have things [illegible] and her [illegible] all [illegible] and put them away. Then she puts heavy [illegible] on all the beds [illegible] to keep as much dust [illegible] as possible.

[illegible] went over [illegible] the sand [illegible]

This last [illegible]

* * *

Big ditch

THE [illegible] and [illegible]

[illegible] years [illegible]

The [illegible] was [illegible] about 2.3 million [illegible] year.

[illegible] of a million acres of [illegible] and over 3,000 [illegible] during the five years and 1,300 [illegible] were installed.

"[illegible] Us Not Into Temptation."

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

A Little Wheat— A Little Chaff

By IVAN [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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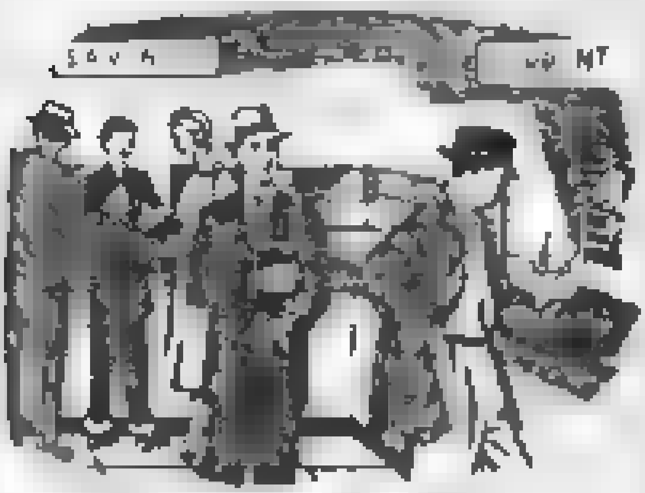
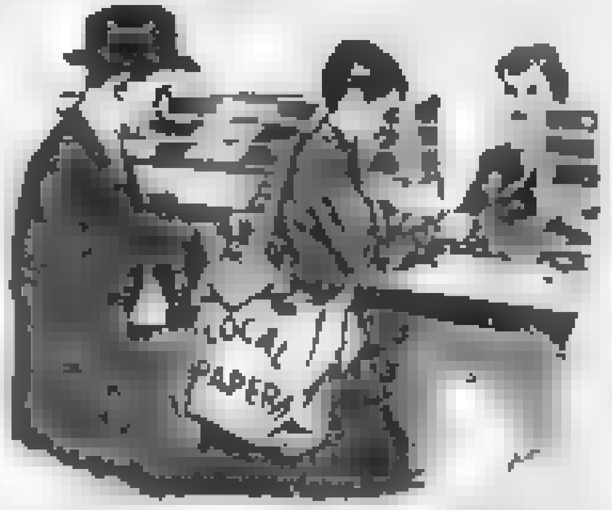
[illegible]

Saving money . . . and writing cheques



A bank offers you two types of deposit account: Savings and Current.



If your main purpose is to save, to accumulate funds, it's good to have a Savings account.

If you write cheques frequently, you will like the many advantages of a Current account.

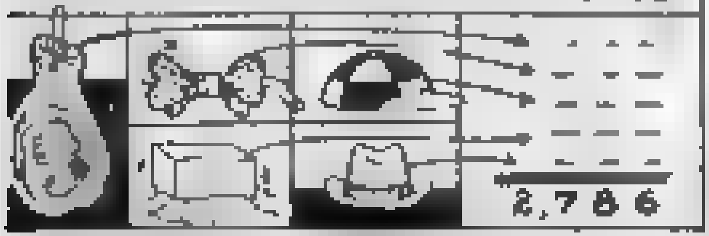
The money you leave in a Savings account earns interest, and your bank book gives you an up-to-date, continuing record of your financial progress. If your funds are active, with frequent deposits and withdrawals, a Current account provides a special service; a monthly statement, together with your cancelled cheques, useful as receipts and a ready reference for budgeting, bookkeeping and other purposes.

THE BANKS SERVING YOUR COMMUNITY

PICTURE ARITHMETIC

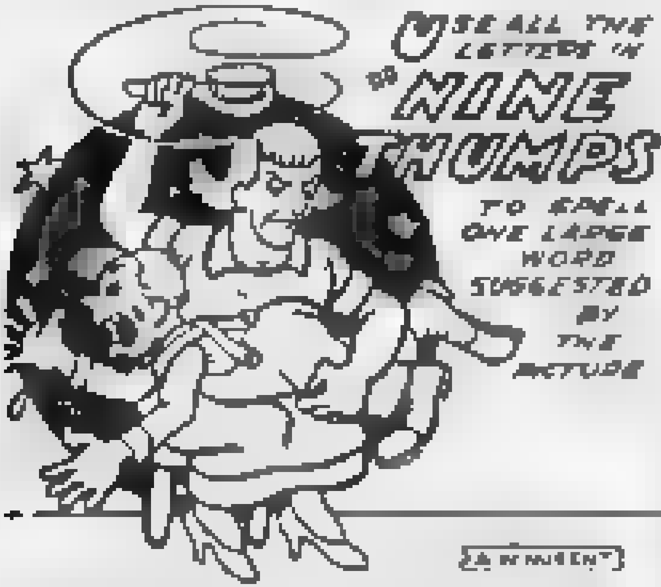
1 3 4 0 5 6   7 5 1 4 8 9 6 4 2 5

EACH OF THE ABOVE LETTERS IS REPRESENTED BY THE NUMBERS UNDER IT. GUESS THE NAMES OF THE FIVE PICTURES AND WRITE THE CODE NUMBERS ON THE LINES AS INDICATED. ADD THEM TO SEE IF YOU GET THE SOLUTION WHICH IS [illegible]



[illegible]

USE ALL THE LETTERS IN "NINE THUMPS" TO SPELL ONE LARGE WORD SUGGESTED BY THE PICTURE



[illegible]

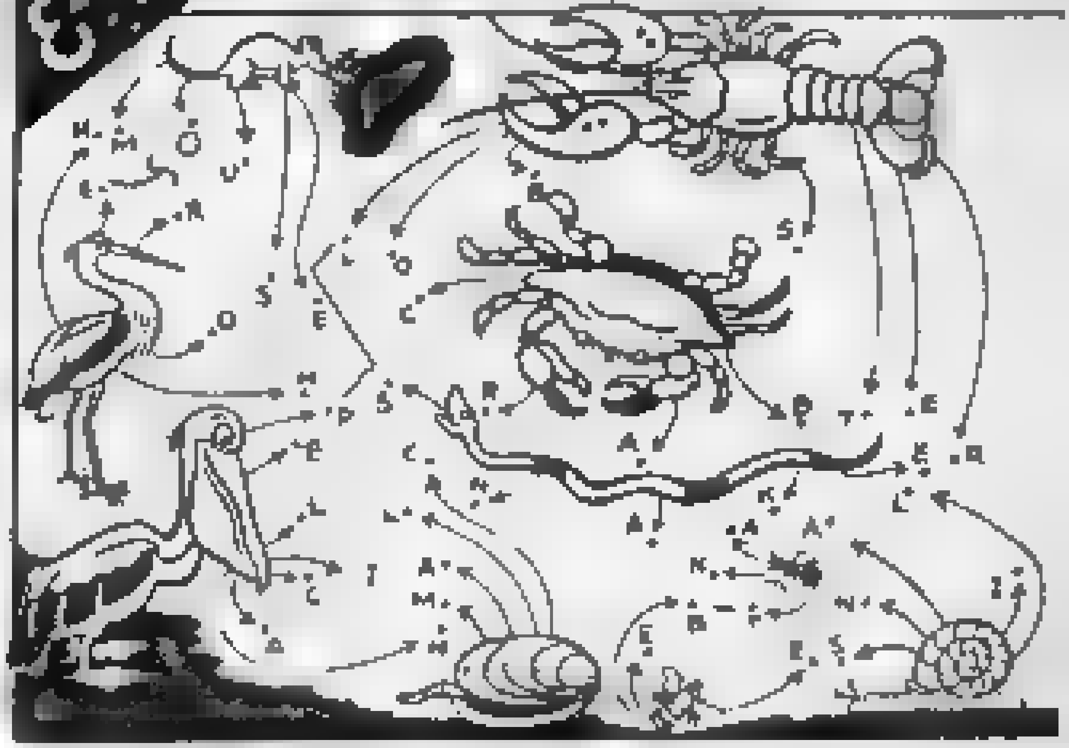
FUNLAND

by A.W. NUGENT
The World's Leading Puzzlemaker

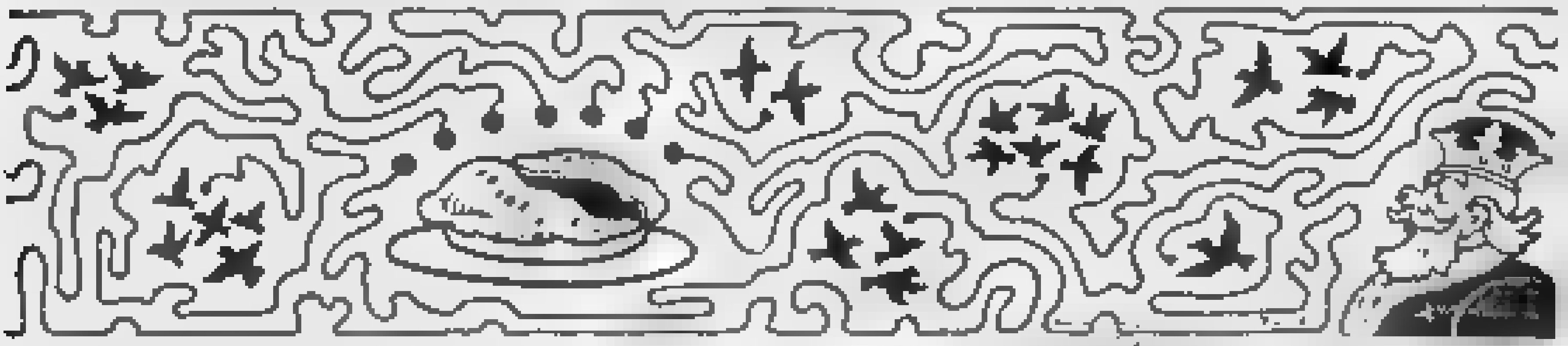
The FAMILY ENTERTAINER

SPELL & DRAW

WHAT WILL YOU DRAW? CONNECT ALL THE DOTS THAT ARE NEAR THE LETTERS REQUIRED TO SPELL THE NAMES OF EACH PICTURED CREATURE. BEGIN BY JOINING THE DOTS AS INDICATED BY THE ARROWS



HERE ARE THE FOUR-AND-TWENTY BLACKBIRDS THAT WERE BAKED IN A PIE. YOUR PROBLEM IS TO CATCH FOURTEEN OR MORE FOR THE HUNGRY KING. CHOOSE ANY FOUR OF THE DOTS ABOVE THE PIE AND TRACE ALONG ON THE LINES WITH A POINTED OBJECT TO THE BIRDS



For adults

Yes Sir!

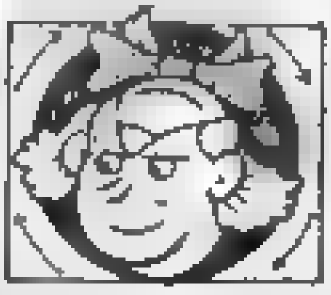
WE WILL GIVE YOU AN E FOR EXCELLENT IF YOU CAN SPELL FIVE SEVEN-LETTER WORDS BY USING ALL THE LETTERS IN

"PAR SIR, E"

TO SPELL EACH WORD

[illegible]

TURN GRANDMA AROUND TO SEE GRANDPA



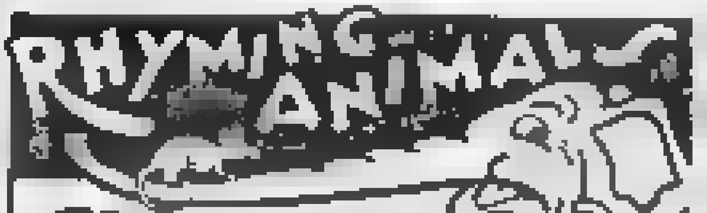
KIDDIE CORNER

PRINT A LETTER OVER EACH DASH TO SPELL TWO BOYS AND TWO GIRLS NAMES

_AY
AY
_AY
_AY

[illegible]

RHYMING ANIMALS



CAN YOU THINK OF EIGHT ANIMALS THAT WILL RHYME WITH THESE WORDS?

YAM	BEER	BOLT	LEAP
RULE	STORE	MEAL	BOWL

[illegible]

[illegible]

More eggs for hatching

[illegible]

Watch the Americans sell their beef

From the Farm Journal

[illegible] ted in [illegible] Watch [illegible]

[illegible] ready. In the first five months of the year Californians are eating beef at the rate [illegible]

[illegible] beef sec[illegible] [illegible]

[illegible] ing thrifty cuts. Hundreds [illegible]

BRICK BUILT
TO STAY BUILT...
AT A COST EQUAL TO FRAME!

[illegible] provides the beauty perman[illegible] [illegible] cost equal to frame, thanks to a new brick [illegible]

[illegible] wrong with brick. And remember trouble-free brick means lower fire insurance costs, [illegible] at a cost equal to frame!

MEDICINE HAT BRICK & TILE CO. LTD.

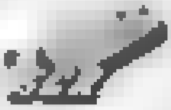
To: MEDICINE HAT BRICK & TILE CO. LTD. Medicine Hat, Alberta

[illegible]

Name

Address

[illegible]



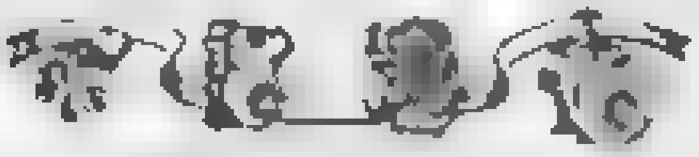
Let's Farm Safely!

MISHANDLING OF TRACTORS IS THE CHIEF REASON FOR FARM FATALITIES

[illegible]

ALBERTA BREWERS AGENTS LIMITED

[illegible]



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★ MORE PORTABILITY PER HORSEPOWER
★ MOST HORSEPOWER HOURS OF SERVICE

4-Cycle Single Cylinder 2-Cylinder and V-type 4-Cyl.

[illegible]

BRUCE ROBINSON ELECTRIC LTD.

[illegible]

There's always a job for an ALLEN

[illegible]

Lethbridge Machinery Co. Ltd.

[illegible]

"Watty" Forsythe put Rapid City on the map

By [illegible]

THE spirit of adventure is not yet dead.

[illegible]

The outfit roared out of Rapid City, June 14th, and reached [illegible]

[illegible]

[illegible] make a living and him farmed. Why, you couldn't hardly grow a Swede turnip up there!"

[illegible]

anywhere and eat anything. He [illegible]

Nutrition and disease

[illegible]

nutrients for the production of [illegible]

U. S. wheat exports

[illegible]

EXPERTS ADVISE

More aid to conservation area for draining flooded farmlands

[illegible]

In addition to providing en- [illegible]

Protein trends of native grasslands

[illegible] autumn. Grasse- [illegible] as much as 20 pe [illegible]

Meditations at Twilight

[illegible]

[illegible] the same plot on June 1 [illegible]

[illegible] ned in the forage [illegible] ter than the minimum [illegible]

Drug danger

[illegible]

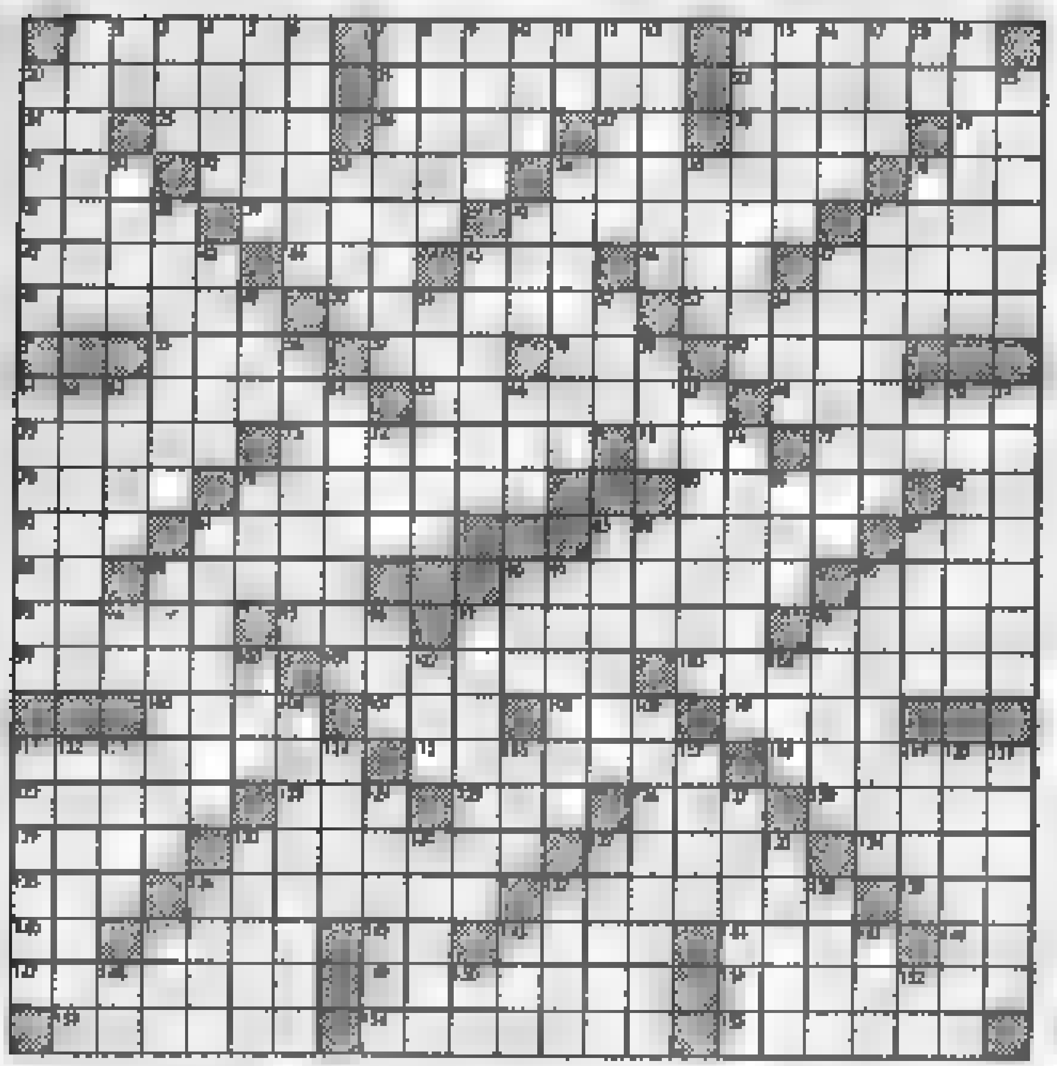
Now is the time to sow that lawn

[illegible]

First rate pasture grass

[illegible]

Our Crossword Puzzle



HORIZONTAL

[illegible]

VERTICAL

[illegible]

Solution Next Month

Ontario farmers are not interested in any other farm power than that of tractor, car and truck. A speaker at the annual convention of the Ontario Plowmen's Association said that a whole line of horse-drawn tilling and harvesting implements could be bought today for $200.00.

Repairs or additions to any buildings on the farm can be financed with a Farm Improvement Loan. Write for booklet or drop in and talk it over with the manager of the Royal Bank branch nearest you.

THE ROYAL BANK
OF CANADA

ATTENTION CONSTRUCTION MEN

[illegible]

FOREIGN OPPORTUNITIES
[illegible] Oregon Bldg. Salem, Oregon

A MUST for outside and chemical toilets!

MISTO-VAN

Eliminates odor immediately. Breaks down waste to liquid that drains away, keeping pit clean and free. Repels flies and other insects and vermin. Destroys bacteria. Hundreds of testimonials. Use it once and you'll never be without it. Will also sanitize and deodorize damp and musty basements and garbage cans.

[illegible]

WESTERN SANITARY SALES LTD.
[illegible] ST. N.W. CALGARY, ALTA.

WESTERN SANITARY SALES LTD.
[illegible] 2nd St. N.W. Calgary, Alta.
Please send me large economy size Misto-Van, on your money-back guarantee.

$1 enclosed ☐
Send C.O.D. ☐
Mark X in space required.

NAME ____________________

ADDRESS ____________________

[illegible]

Nighthawks are bullbats, some gardeners are batty, too!

By [illegible]

[illegible] knowing [illegible] have been satisfactory, b[illegible] beating [illegible] other in [illegible]

[illegible] mos- [illegible] plat- [illegible] for [illegible] nuts [illegible]

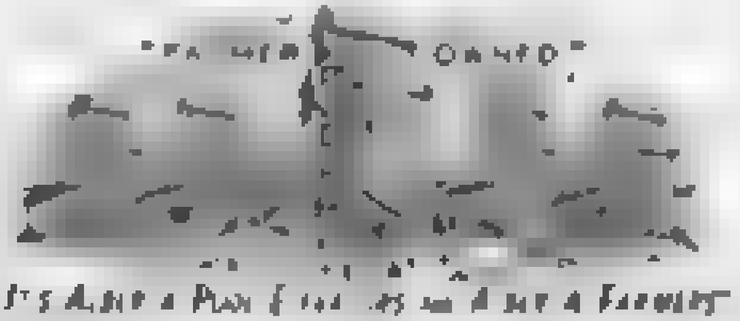
[illegible] g own [illegible] every [illegible] Mos- [illegible] ght in [illegible] take a [illegible] was be- [illegible] t of a [illegible] bird re- [illegible]

[illegible] w tribe [illegible] while [illegible] the grasses [illegible]

[illegible]

Writing a Pool Advertisement In the Midst of a Wheat Glut

[illegible]



It's A[illegible] a Pool E[illegible] as [illegible] a Farmer

[illegible]

The swallows seized the school

By [illegible]

THE coming of irrigation to the Medicine Hat area has brought some problems — at [illegible] one problem to the State [illegible]

[illegible] building skill. One [illegible] sound [illegible] like th[illegible]

[illegible]

ties of mosquitoes. There's the Little Brown Bat, the Silvery-haired Bat and the pointed-winged Great Northern Bat of the Western Canadian zone all feast on mosquitoes whenever they get the chance. Down in equatorial parts of the world where Malaria-carrying mosquitoes thrive people have a respectful appreciation of bats that help control the insect hordes.

In our district nighthawks are often called Bullbats. That nickname has harmed them, because some of us loathe and fear night creatures such as owls and bats and the unrelated Bullbats or nighthawks. The nighthawk name is a poor one too, as the birds are not members of the hawk group. Nighthawks belong to the Goatsucker family, another poor name wrongly given them by goatherds of olden times who believed the birds sucked milk from nannies.

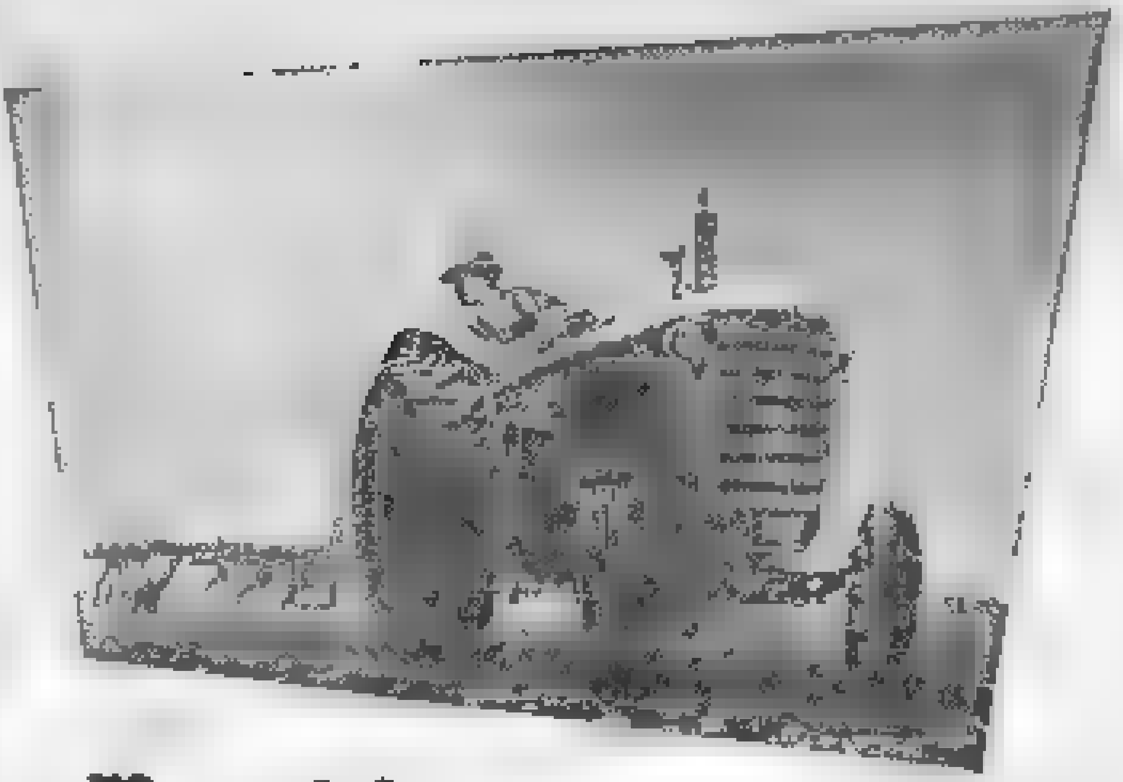
In actual fact, of course, the gaping-beaked birds were merely interested in insects hovering over the hot-blooded goats. Yet the goatsucker name is still used for this bird family which includes the whip-poor-wills and Chuck-will's-widow as well as Nighthawks.

No Nest

Our nighthawks love to nest on the roofs of city buildings, though their natural sites are among gravel bars and stones of dry streams or on rocky hillsides. They make no nest at all, depositing their two large, pebble-colored eggs amid the abundant camouflage of the gravel. Daytime incubation is really a shading process to keep the hot sun off the eggs but Mama Nighthawk does have to do her brooding in snatches at evening so she can keep the eggs warm during the cooler nights of summer. When fledglings hatch she is a devoted mother and makes frequent visits to the spot where the young are hunched in [illegible] for [illegible] a midnight snack.

It's a good thing the fledglings are on a flat [illegible] of the gravelly ground, because members of the bird family have such weak feet that they cannot straddle a tree-branch. When they do rest on a tree they must sit lengthwise with the branch to stay on. Flying, not perching, is the strong suit of nighthawks. They catch all their food a-wing, then happily indulge in aerial gymnastics we can watch in evening skies all summer long. They are good weather prophets, too — while nighthawks are with us gardeners can be reasonably sure of frost-free nights.

The thunder crashed, the lightning flashed, and large wet globs of rain smacked onto my upturned face. I quit leaning on the idle hoe and ran for the house. The time had come to go indoors and let mosquitoes and nighthawks have the outdoor life all to themselves.



Marvelube stands up under "sizzling hot" engine temperatures

GIVES YOU LONGER
ENGINE LIFE

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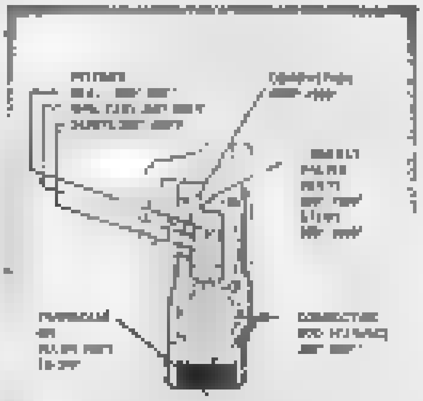
That's why Marvelube is specially made to stand up to high temperatures — to retard the formation of acids and engine deposits which cause ring sticking and wear.

Use Marvelube in your tractor, truck and car. Your engines will stay cleaner — you'll get more economical operation — longer engine life.



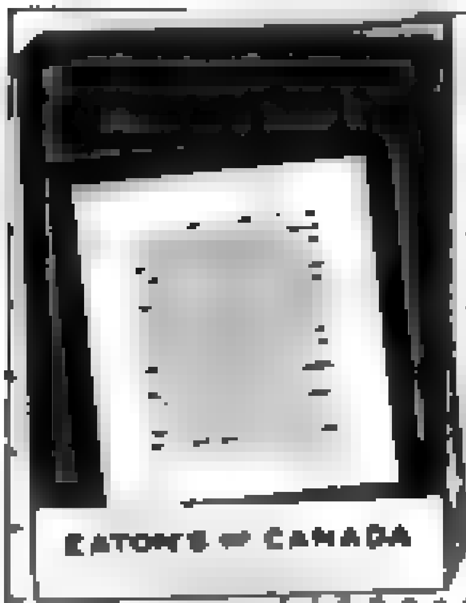
APPROXIMATE TEMPERATURES GENERATED IN A TYPICAL GASOLINE ENGINE

Marvelube

CANADA'S LARGEST SELLING MOTOR OIL

Give your
IMPERIAL OIL
agent a call

SPECIAL
Esso
PRODUCTS



FOR
BEST
SERVICE
TO
CANADA
COAST
TO
COAST

EATON'S OF CANADA
[illegible]
FALL and WINTER CATALOGUE

offering Canadians the exceptional range of [illegible] [illegible] of leading [illegible] for their money. The dependability of merchandise and the special attention to [illegible] of orders that has made EATON'S the Canadian word for Service and Value. For [illegible] years the same [illegible] policies under EATON family management. "IT PAYS TO SHOP AT EATON'S" is the buying slogan, [illegible]

Now Being Sent to EATON Customers.
Available on Request to Winnipeg Mail Order

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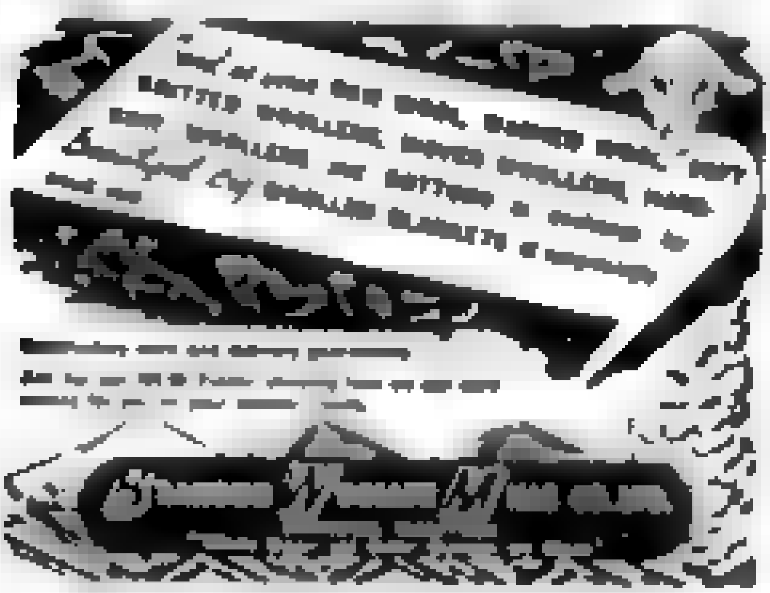
Send us your old wool [illegible]
BATTED WOOLLENS [illegible]
[illegible]

[illegible] and delivery [illegible]

[illegible]

CANADA'S
BEST SELLING
QUALITY
VINEGARS
ARE
HEINZ
PERFECT FOR PICKLING

Farm and Ranch Housewife

[illegible]

Let's Ask Aunt Sal . . .

I HATE to start off this column with [illegible] [illegible] [illegible] [illegible] [illegible] not signed by your name. I have told you often enough that I [illegible] [illegible] [illegible] [illegible] [illegible] to be answered [illegible]. Then [illegible] [illegible] [illegible] [illegible] [illegible]. If you do not give me your name and address how can I [illegible] [illegible] [illegible] [illegible] necessary for me to [illegible] your knuckles" again.

Q. Could you please give me a good recipe for canning tomato juice? — (I. C., Irvington, Sask.)

Tomato Juice

A. [illegible]

Q. [illegible] (Mrs. [illegible])

A. [illegible]

[illegible] water). Every utensil (after rolling pin, bread board, etc. [illegible]) [illegible] and I can find for you.

Q. I am enclosing a recipe for [illegible] [illegible] (Mrs. A. [illegible])

A. [illegible]

Orange Pudding

[illegible]

[illegible]

Q. [illegible] (Mrs. W. B. [illegible])

A. [illegible]

Q. How do you clean a man's nylon winter jacket? It is very [illegible] (Mrs. [illegible])

A. [illegible]

Q. [illegible]

A. [illegible]

Q. Have you any idea where I could [illegible] of rags for making rugs. (Mrs. G. W., [illegible])

The Dishpan Philosopher

[illegible] our summers are with the [illegible] had gathered in to make a board [illegible]

Freezing experiments in Canada's kitchen

[illegible]

[illegible] copy of the Consumer Section booklet "Freezing Foods"? If you do not have one all you have [illegible] all fruits [illegible] and [illegible] freezing.

Last summer the home economists froze more sweet cherries and last month held another series of taste panels. [illegible] are now ready to give out the directions for freezing these fruits. The next time their [illegible] vised they will, of course, include the new directions. How[illegible]

[illegible] tions as each of these fruits comes on the market!

Around the end of June or the [illegible] ave straw[illegible] and [illegible] melted and then served in a bowl to be eaten out of hand or with a spoon, or they can be served raw in fruit salads. Their recommendations for freezing [illegible] cherries retain better flavor, color and general appearance when frozen unpitted; they [illegible] better if they are packed in a very thin syrup of [illegible]

A. After making [illegible] pinking machine that will do [illegible]

Q. Where could I buy rennet [illegible] Mrs. R. [illegible]

A. I couldn't find any food [illegible] had been used fairly recently.

[illegible] ed to send in their homemaking [illegible] the [illegible] Calgary, Alta. If you wish [illegible]

4 delicious treats
...make them from
One Basic Dough!

It's amazingly simple with wonderful active dry yeast!

[illegible]

BASIC ROLL DOUGH

[illegible]

[illegible]

A [illegible]

[illegible] room like a fretting baby, trying [illegible] a comfortable [illegible]

[illegible]

Aunt Sal Suggests . . .

[illegible]

ordinary white cake) [illegible] reduce the liquid ½ cup and add to it 1 cup mashed ripe bananas and [illegible] Bake according to directions (makes an 8-inch square cake) Let stand [illegible]

[illegible]

the problem of cooking for diabetics [illegible] space does not permit [illegible]

[illegible] bye bye for now [illegible] and every [illegible] wish.

[illegible]

[illegible]

Country Diary

[illegible] warm evenings. But [illegible] brant, joyous sounds [illegible] and summer are stilled [illegible]

It is fascinating to observe how the year's colours change with changing seasons. The [illegible]

[illegible] den and wild places. The sturdy sunflower with all its kith and [illegible]

[illegible] "d," radiant and in- [illegible]

[illegible] and grow here and there [illegible]

[illegible] gust is the great garden month.

Not that everything has been smooth and regular. There have been many obstructions, with a Spring that delayed sowing of wheat beyond the allotted time as winter dallied and lingered [illegible]

[illegible] lent August will speed the har- [illegible]

[illegible]

Salads with cheese

By Consumer Section, Marketing Service,
Canada Department of Agriculture

LET us see what can be done with our good Canadian Cheddar! Thin strips of Canadian Cheddar cheese can be placed on top of a tossed green salad, or some can just be crumbled right into the salad. Another good idea, is diced Canadian cheese in a Waldorf salad. Apples and cheese go so well together, that the blended flavors are most appealing.

In many homes, macaroni and cheese is served at least once a week. Generally, there is some left over, a very good salad can be made with the cold left-over macaroni, if some more cheese is added, a few chopped pickles and a tasty dressing.

Now let us consider process cheese. Strips of process cheese can be used in tossed salads in the same way that Canadian Cheddar cheese can be used. And slices of process cheese are perfect with fruit salads or fresh fruit. One salad is made with chopped green cabbage, some diced green pepper, a generous amount of cubed process cheese and it is served with a tasty dressing made from sour cream. That sounds different and it tastes different too!

Parmesan cheese is an Italian cheese that they frequently use with their spaghetti dishes. We make Parmesan cheese in Canada and you would be surprised how good a little of this cheese is if sprinkled on top of vegetable salads — salad such as cole slaw, asparagus salad or tossed green salad, of course.

Cream cheese seems to be ideal with fruits. Mix equal parts of cream cheese and mayonnaise and serve it with a fruit salad. Or another idea is to serve fruit with cream cheese balls — this makes an ideal dessert salad. And thinking of cottage cheese, here is a suggestion about using it in salads. Cottage cheese should be combined with fruits and vegetables that have a fairly tart or decided flavor. It is a bland food and it needs to be pepped up. Add it to vegetable or fruit salads by just mixing it in with the other ingredients. In that way the flavors are combined.

Meat, Cabbage and Cheese Salad

2 cups diced cooked meat
1 cup shredded cabbage
1 cup diced Swiss cheese
1½ cups diced unpeeled cucumber (1 medium)
½ cup thinly sliced green onions
¼ cup diced green pepper
Mayonnaise

Combine all ingredients. Toss lightly together. Moisten with mayonnaise and blend well. Yield: six servings (7 cups).

Parmesan Sticks

1 egg
3 slices stale white bread
6 tablespoons grated Parmesan cheese

Beat egg with a fork. Remove crusts from bread and cut each slice lengthwise into 4 strips. Dip each strip of bread into the beaten egg and roll in cheese, covering all sides. Broil 3 to 4 minutes or until lightly browned. Yield: twelve sticks.

Camembert Cheese Mousse

8 ounces Camembert cheese
1 teaspoon prepared mustard
½ teaspoon worcestershire sauce
1 cup whipping cream
2 egg whites

Remove skin from Camembert. Mix with mustard and worcestershire sauce. Whip cream. Fold into cheese mixture. Beat egg whites until stiff but not dry. Fold into cheese-cream mixture. Pour into a greased mould or freezing tray. Freeze for 2 to 3 hours, to the consistency of ice cream. Unmould on crisp lettuce. Serve as an appetizer. Yield: three cups or twelve servings. Note: If you want a stronger flavored mousse, add ½ teaspoon salt, ⅛ teaspoon pepper and omit one egg white.

Cottage Cheese Summer Dressing

2 cups cottage cheese
1 teaspoon salt
1¼ teaspoons celery salt
½ teaspoon pepper
1½ cups diced cucumber (medium)
6 radishes, sliced
3 tablespoons chopped chives OR green onions
¼ cup sour cream

Combine cheese, seasonings, cucumber, radish slices, and chives. Add sour cream and mix well. Serve on lettuce wedges. Yield: three and a half cups.

Cheese Dressing for Fruit Salads

4 ounces cream cheese
2 tablespoons sugar
1 cup crushed berries
1 teaspoon lemon juice
1 to 2 teaspoons chopped mint leaves

Cream the cheese. Add sugar and blend thoroughly. Add remaining ingredients and mix well. This mixture should have the consistency of salad dressing. Serve on fruit salad. Yield: one and a half cups.

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NAME ________
ADDRESS ________ TOWN ________ PROV. ________

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CALGARY ALBERTA

YOU CAN DEPEND ON
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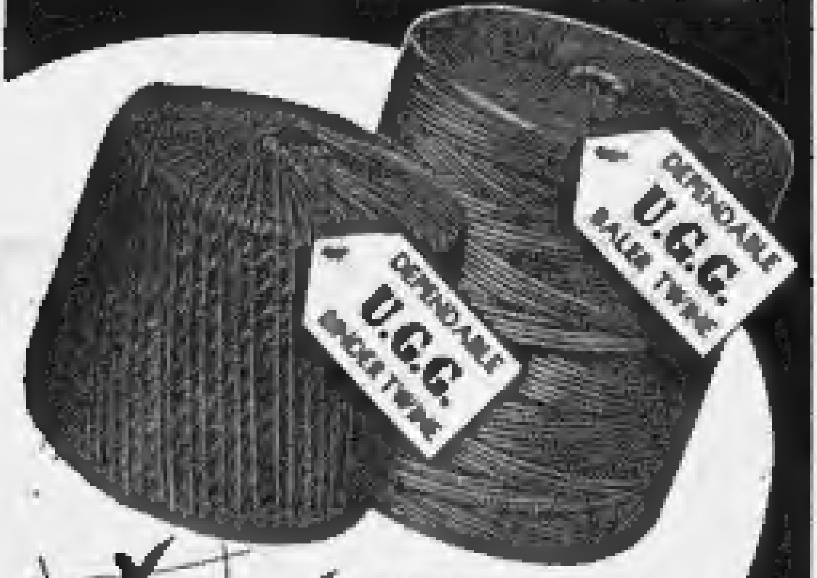
BINDER & BALER TWINE



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✓ FREE-RUNNING
✓ ROT & VERMIN PROOF

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Howry-Berg Bale Loaders are designed to pick up square or round bales in the field quickly and with a minimum of manpower. Bales are picked up regardless of position in which they are dropped from baler. Fully adjustable to loading height. Engine powered or ground driven models are available. These units are equipped with unique, handy, truck bumper hitches.

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What does *your* handwriting reveal?

Are you a natural-born salesman or would you make a better mechanic? Have you got hidden talent for art, cookery or stenography? Would you be interested in getting the verdict of an expert on the character your handwriting reveals?

The Farm and Ranch has arranged with Mr. David Meyer, the author of this new and regular feature of the Farm and Ranch, to analyze the handwriting of its readers. Here are the rules:

Write at least 12 lines with pen and ink on good paper. Do NOT — repeat — NOT use a ball-point pen or pencil. Send it together with 25 cents in coin: —

DAVID MEYER,
7½ Jane St., New York City, New York, U.S.A.

Do not send stamps and always enclose a self-addressed envelope.

This genius was musical even in his handwriting

By DAVID MEYER

IN a recent article I referred to symbols as expressed in handwriting, and I cited the instance of a young farmer whose capital letter S resembled the G-Clef in music.

Symbols in handwriting indicate a special talent, bent or direction of imagination. They suggest strong unconscious forces operating in the writer.

Figure No. 1 reproduces the capital S and B from the signature of the great composer, Johann Sebastian Bach. Note that the letter S resembles the G-Clef, and the bottom strokes of the letter B resembles musical notes.

In figure No. 2, we reproduce parts of the signatures of Pope Alexander VI and the Reverend Harry Emerson Fosdick. The Pope made the letter x like a cross, and Mr. Fosdick wrote the letter H of his first name in the form of a cross. Both were preoccupied with Christian thought and dogma.

In figure No. 3 is reproduced the first letter in the signature of the great painter, Rembrandt. Note that his letter R resembles a painter's palette.

In figure No. 4 we have the letter F from the signature of Emperor Francis II of France, and the letter B from the signature of a European general. Observe the dagger-like shape of Francis' letter F and the ugly saw-like bottom of the general's letter B. Both men, of course, were warriors and dealt with instruments of death.

In figure No. 5 is reproduced the letter L from the signature of the eminent naturalist, Carl Linnaeus, classifier of animals and flowers. The letter has the shape of a calyx.

Figure No. 6 reproduces the upper part of the letter Z in the signature of Count Zeppelin, inventor of the dirigible that bears his name. Observe the shape resembles the baloon-like structure of the zeppelin.

The last figure, No. 7, is the initial of a Wall Street broker, and it indicates unmistakably that the almighty dollar is the broker's main preoccupation.

Now, the essential point about these symbols is that they were all written unconsciously by the writers. Deliberate imitation of symbols, of course, indicates nothing at all. When they occur in handwriting spontaneously, they show what is working in the writer's conscious and unconscious mind, what is trying to express itself in the outer world, and the direction of his energies.

Friendly call

Photo by [illegible].

FUNLAND

THE FAMILY ENTERTAINER

By A.W. NUGENT

The WORLD'S LEADING PUZZLEMAKER

QUIZSUM

YOUR PROBLEM IS TO WRITE THE CORRECT NUMBERS AT THE RIGHT OF THE QUESTIONS AND ADD.

A SCORE IS HOW MANY ? → ______

HOW MANY LEGS DOES A MOSQUITO HAVE? → ______

HOW MANY FEET IN A FATHOM ? → ______

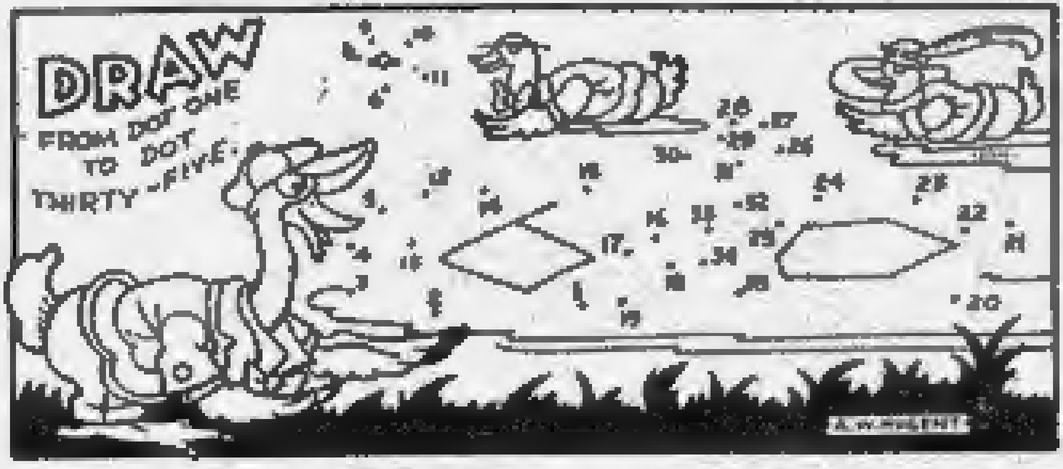
AN OCTAHEDRON HAS HOW MANY SIDES? → ______

CM IS WHAT ROMAN NUMERAL ? → ______

WRITE THE TOTAL HERE → ______

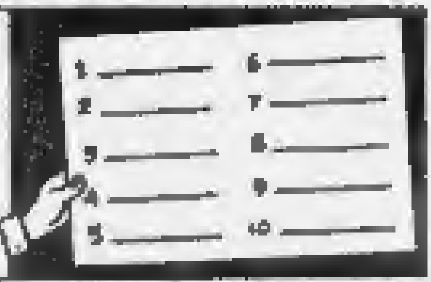
READING DOWNWARD... 20, 6, 6, 8, 900 TOTAL 940.

DRAW FROM DOT ONE TO DOT THIRTY-FIVE.



NOTICE

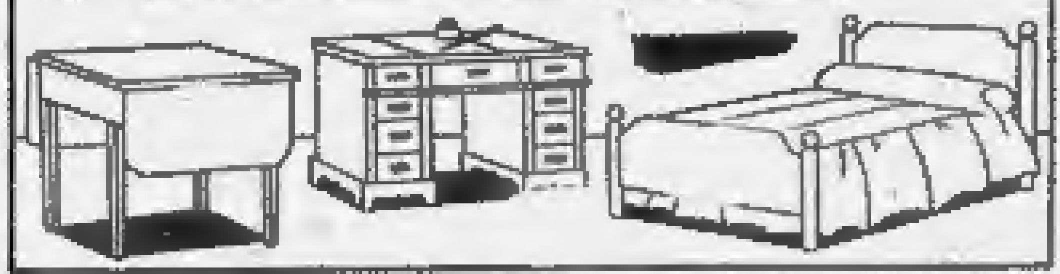
CAN YOU SPELL AT LEAST TEN FOUR-LETTER WORDS BY USING ONLY THE LETTERS IN "NOTICE"?



SOLUTION: CENT, CITE, COIN, CONE, ICON, INTO, NICE, NOTE, ONCE, OTIC AND TONE.

S B B T C D D H A A K I L R E E E

CROSS OUT THE ABOVE LETTERS NEEDED TO SPELL THE THREE PICTURED OBJECTS SO THAT THOSE REMAINING WILL SPELL ANOTHER PIECE OF FURNITURE.



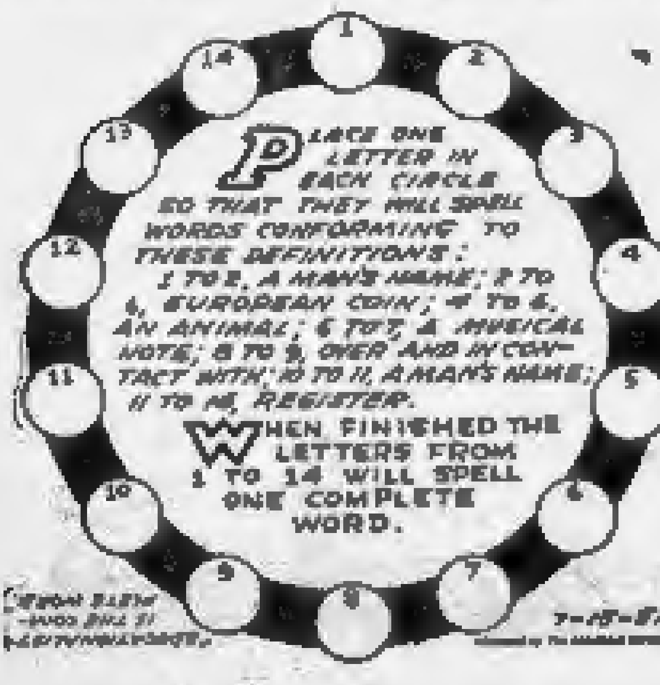
CROSS OUT THE LETTERS IN TABLE, DESK AND BED TO LEAVE CHAIR.

WRITE A PLUS (+), MINUS (−), MULTIPLICATION (x) OR DIVISION (÷) SIGN IN EACH EXAMPLE UNDER THE QUESTION MARKS.

PLACE THEM IN ANY POSITION YOU WISH SO LONG AS YOU ARRIVE AT THE GIVEN ANSWERS.

6	?	3	?	3	?	6	?	3	=	7
8	?	2	?	5	?	7	?	6	=	8
7	?	2	?	2	?	8	?	2	=	9
6	?	3	?	7	?	7	?	3	=	10

6 × 3 − 3 + 6 ÷ 3 = 7, 8 + 2 ÷ 5 × 7 − 6 = 8, 7 − 2 × 2 + 8 ÷ 2 = 9, 6 ÷ 3 × 7 − 7 + 3 = 10.

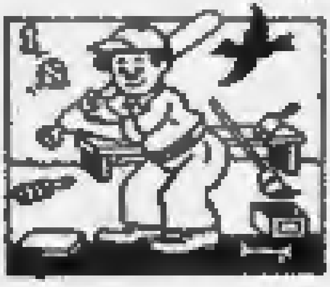


PLACE ONE LETTER IN EACH CIRCLE SO THAT THEY WILL SPELL WORDS CONFORMING TO THESE DEFINITIONS: 1 TO 2, A MAN'S NAME; 2 TO 4, EUROPEAN COIN; 4 TO 6, AN ANIMAL; 6 TO 7, A MUSICAL NOTE; 8 TO 9, OVER AND IN CONTACT WITH; 10 TO 11, A MAN'S NAME; 11 TO 14, REGISTER.

WHEN FINISHED THE LETTERS FROM 1 TO 14 WILL SPELL ONE COMPLETE WORD.

"EDUCATIONALIST" IS THE COMPLETE WORD.

7-15-51

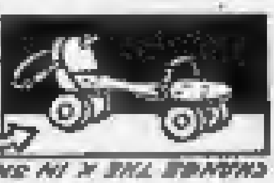


SEE IF YOU CAN DISCOVER AT LEAST 15 THINGS IN SKETCH NO. 1 THAT BEGIN WITH THE LETTER "B".

BALL, BACK, BASE, BAT, BELL, BELT, BENCH, BILL, BIRD, BONE, BOTTLE, BRUSH, BOX, BOY AND BUTTON.

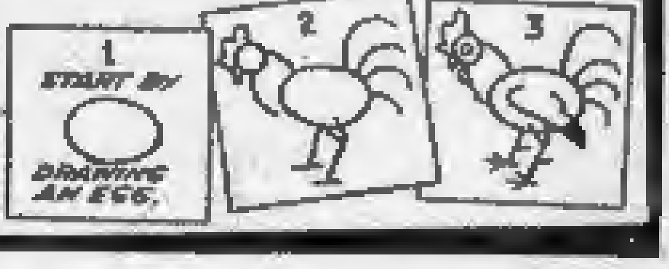
KIDDIE CORNER

TRY TO CHANGE ONE LETTER IN THE NAME OF THIS PICTURE TO SPELL ANOTHER OBJECT.



CHANGE THE K IN SKATE TO L TO SPELL SLATE.

LITTLE ARTISTS: DRAW AN ENLARGED PICTURE OF THIS ROOSTER BY ADDING THE SIMPLE LINES IN THE ORDER SHOWN.



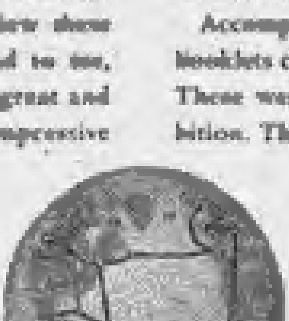
The Seagram "Cities of Canada" Exhibition
sketched in Madrid Hilton by J. Caballero '5

They're talking about Canada the world over

A few months ago, Jose Caballero, noted Spanish artist, sketched his impression of The Seagram Collection of Paintings while they were exhibited in Madrid at the famed Castellana Hilton. Like Señor Caballero, 30,000 people of Spain took the opportunity in the next two weeks to view these original canvases of 22 of our cities and to see, too, for the first time, a new aspect of a great and growing Canada as reflected in these impressive portraits of our nation's thriving metropolitan centres.

Everywhere these paintings went . . . north and south of the equator . . . on both sides of the Atlantic . . . they won new friends and favourable comment for Canada. In sixteen cities along a 30,000-mile international route through 15 foreign lands, more than a quarter of a million people came to visit them; to observe the skyline of our land, and to try on their lips the unfamiliar name of our Canadian Cities.

Accompanying the Collection were 48-page booklets containing reproductions of the paintings. These were available to all who visited the exhibition. The Seagram Collection is now back home on a two-year Canadian tour but it continues, through these booklets, to build goodwill for Canada abroad. In many thousands of homes, the text and pictures of these booklets are keeping Canada talked about the world over.



The House of Seagram

ROUTE OF THE INTERNATIONAL TOUR: SAN JUAN...HAVANA...MEXICO CITY...CARACAS...RIO DE JANEIRO...SAO PAULO...BUENOS AIRES...MONTEVIDEO...ROME...LONDON...PARIS...GENEVA...STOCKHOLM...THE HAGUE...MADRID...AND A VISIT TO THE CANADIAN ARMED FORCES IN SOEST, WEST GERMANY.

ROUTE OF THE CANADIAN TOUR: OTTAWA...MONTREAL...CHARLOTTETOWN...HALIFAX...ST. JOHN'S...SAINT JOHN...SHERBROOKE...THREE RIVERS...TORONTO...QUEBEC...LONDON...WINNIPEG...REGINA...EDMONTON...VANCOUVER...VICTORIA...CALGARY...SASKATOON...WINDSOR...HAMILTON...KINGSTON...HULL.